

<223> Clone ID: jC-gmro02910013e03d1

<400> 41451

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agtacaagct acttcaaata aatttcagtg actacaggaa tcaaagttaa atcccatggg 60
tccaaaaact tcctcaagtg caagcctgtg cagttataga gatagcatga caccaattca 120
tgaatagagt ctaagcttct ctagtttcca ggtacacact atataaccta ccttatgaca 180
gcaaaagaaa aaaataataa cagacccttt tctcttctcc taacagaaat aatatgaact 240
ttaccaacac cttcaaacc cagctactca cacttgatgg accggtatat gtgacgaaca 300
aagagcaggg aggcacggaa tcctacgcta ccgagcatga ggaagaagcc atagcagata 360
caggccatgt aaccaaagaa gaacgaagtt tgcataaaac cagacatatc tgatcgtgca 420
tagtagtaat acaagcaata gccgtagatg 450

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<210> 41452

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013e04d1

<400> 41452

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gttacaaatg gaagatgact tttcaccaat agatcgtaca aactagtct aacagctaca 120
aaaccactcc agcatatttc agatgtgcat gatttcccaa aagattgcta atttgaagca 180
tgtcaaagtt cttacagtcg cacaaaactt tctcactttg tgtagagAAC atcctcccat 240
gggtgacggt aaagtgggtg cttcaatcgc ttttggTcaa aggtgtgccc aat 293

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<210> 41453

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013e05d1

<400> 41453

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gaacaaaacc accgaattta ttgacctttt tccttttcta atgataatga agtatgggag 60
tcattttctat ggtcctactt gaaactgtag cacagtgtat atcttaaaac aaatatcaat 120

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aatcagtaat aataaaagga aaacaaagta aaagatcaga gagtaagaga aaaaagaact 180  
 ctcatactct atttcttctt ttttggttca ctgtatacta ttctactagc agggtcctat 240  
 taaacaacag gaagttcatc tttggtatct tcattttctc ctcatgctca gaaattatat 300  
 ccagcatgat tatttcacta gttcttagta aagagtctat gctttgcctg tatattagta 360  
 gcttttttct gatagagctt tccaattaac caaaaggaaa atctccttat ctaacagcca 420  
 ccttcgcta attttaacac tcatgccct aaagagatat atttaagca cttttttgt 480  
 ctcatcactt tcata 495

<210> 41454  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910013e06d1  
 <400> 41454

aaagggctcg ctgaaaataa attttattga accagatggg aaaaatagct agaaagtctc 60  
 gagacagcaa aggctagata tcgttttggt aaaaaattta caacaatgac ttagtgataa 120  
 ccaataggag ctggagcctc ttttaattcc ttcccttgat gatgaatac agaagcaaag 180  
 tggttaacat ccctgtgatg agccttatca gcgcgaatca cagtgacaac atccttgaga 240  
 gttgcatcct tgggaagcct ccagtagtca atagcactgg caggggcagg ggacaatttt 300  
 aacttttacc actctcaatg gcattcaa at gctgagtgtg tgaaatcaca gcttcttctc 360  
 ccaagtaacc aacaaatcta tgtgccgcct ttggcgagag gaggtagaac acgaagaagg 420  
 cgttgaagaa aacaccctgc gcg 443

<210> 41455  
 <211> 404  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910013e07d1  
 <400> 41455

gggttgggggt tttttttttt tttttttttt tttttttttt tgggaacaaa ggcgagggtt 60  
 attagcccca acaggtaaaa aaccccgccc ctattttattt ttaaaacaaa aaaatttggg 120

aatccaaaa caaggtccac taaaggttta aaagcatttc ccccgaccca aaaatcccc 180  
 caatggccga aaacctgaaa aagaaccggg ggaggggggg ggcaaaaccc gggggggggg 240  
 gggggggggg attttttttt cgcaaaaaac cgggggggaa aaatggttat atttgggggc 300  
 caatttcctt ttaaagaaa gggtttcaaa aaaggagcc caaacataaa ctctgggttt 360  
 aaacttttta agaagggggc cctggaaacc tcaaaagggc ccgg 404

<210> 41456  
 <211> 541  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910013e08d1

<400> 41456

ataatcaaaa gcagttgttt aaattgcaaa ttggtacaaa ggtaataga ttcgctacac 60  
 tatggaatct gtcataactc ataagcatca atcattatta cacgttgtcc taaattctat 120  
 atatctgtta acaataatcc aaaatgttat atactcctgt caacatgtta aatttacatt 180  
 ttgcctactt gtaataggag cacagagtgc taaatgcact ctactcacta tctgcataa 240  
 ataaccaatg ctccaattga ctaggtgggg taaccctctt cctaattaac acttcaacag 300  
 tgggacatgt tctcttcctt cctccccttg gccttgacct gaactcttca tcagcttctt 360  
 caaaatcccc aagggtaaaa acatgttttag cagttttttc atgattatct cgcacatgtt 420  
 tgtaagcaaa tctcatgcca caatcaggaa acccacaagc aaaaggcttt acatttaagt 480  
 gcacagcctt cttatgctng tctagattag aatttcttga gaatgtgcag ctgcaaccct 540  
 t 541

<210> 41457  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013e09d1

<400> 41457

gttaacgaaa cctaacatat agtaaaaaaa attcttgctg ttcatttgaa gtacaaatgt 60  
 gattcatgtg gctgagtaag ggcttggtg ggccgaaaac tacgtcgtaa caaattaaaa 120





cataggcttg tagatttcct ttactggttg atgaagctga gaagtctgat gaatgttg 180  
 ctagagggtga agtagaagca ggaaattcag tggaaggaat gactggagag aatgtaggac 240  
 tttctagatg tgtctggaac aatggacttg gggatgagga gataatgact tcaggagatt 300  
 ctgcagggtga agtagtagaa tcttcaggag atgctgctgg tgtgacagaa tttgttgac 360  
 tggcaagagt gtctatttca accttcattc cttggctgca atgtcctatt gtcccacaga 420  
 tgaagtatct tttccccggt aaagtgagag ggatgggtgt ggcgccatca ttgtaagact 480  
 gaattggggtt agttggctgg caagagtcac aatctggctt t 521

<210> 41460  
 <211> 384  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910013f05d1  
 <400> 41460

cacatggcaa ctgcaatagc acttattcct atatcattaa aaataaaaaat tgcttaacga 60  
 aaaaattctc cccctcctc tgtattacat cagcacaata caggatatat ttgaaatat 120  
 cctccctca ggtgcctaca tggtacaaac aacagttgaa ttacaaaac taaaaactta 180  
 caagcatctg tgtgtcatca ttagattcta agattacaaa ttatggtact gccatgatgt 240  
 ttgctttag ccatcccatc ccccatcagg ttccttcctt ttaagaacat cactgcttac 300  
 gtgaaagatc cgtgcttgct cttcaagttg ggcctgcgaa ctagcaacag aaagttgccg 360  
 tggtaacaaga ggtgagctat catc 384

<210> 41461  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910013f07d1  
 <400> 41461

aattatgggc actataatat ttagtttatt tacaccgaaa ccacattatt aaataatcca 60  
 aaacatcacg catcatcatc atcatcttct tgttcttggt cctcatcatg ttctttcaga 120  
 tccgagaggc tcttagactt gaagctccca aatcttgctc tcatgtgatc aacataagac 180

ttaggaacca aaacatgac ttgtttatct tcttctgatg aataagaaga agaagaagat 240  
 ggtgacactt ttttgggctt ctcttctctt tccaaataat tgtcttcac ttcatgaaca 300  
 ggcaaaaggg gcatcgattt tgggttgac caagcgtaaa aagaagattt tcttgtcaac 360  
 ttcgtggcta tttgaacct tcttctcttg ttgaaaggg tcttttgctt ttgaagctcc 420  
 ttcactgtgt tgagcgtgt cacttgtgat agatccgtga atgac 465

<210> 41462  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910013f08d1

<400> 41462  
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 tttgtctaac agcacctatc caggggcaca attttttttg ctatattgaa tgtcatattt 120  
 caactatttt actccagctg tgcagactaa ataatacaca ggcaaacaga aaaaatgttt 180  
 atcctcacca ggattacaat ccaggaggca actttaatcc taaatatatt acaaatttg 240  
 gcaaccatat gttacaaaat tgggtgtcta catgggtgtg aataagatta aactatttta 300  
 gattttacta ttagatctgc tggcttaaca ttacaggtt aattgctctc agcagaaaca 360  
 aaattgcaga tataatattc ttacagcac tataccagta ccatcagttc ctagctgaaa 420  
 atggggaata atagcatgcc gctggccccg accttcagt atgtcatatg gacaacttga 480  
 atatcaagca taaag 495

<210> 41463  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013f11d1

<400> 41463  
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 gggatgaaag gaaaatgacc atggggcccc attttaatca ctggtgcccc ctaaaccacc 120

ccctttttat tatatatata tatatgaaac aatatttgaa ctggcactga ggaataatgc 180  
 taactctcac ttctctctag ttttggttca ggggtcaactt gtcagtttga aaaggacttt 240  
 tttgctggta cactggactg agcagggtttt ttgaactgca ccacaatcat gggcatgttg 300  
 tcacatcctt caccactggc aggtgatggg gccaaacacc gatcaagtac tttttcacac 360  
 acgggagaaaa gttttgtttc ccagtgcaat tgttcatgaa caaaatcaac caggtgttga 420  
 cttgacatgc 430

<210> 41464  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013f12d1

<400> 41464

acagacttat tgagacccaaa ctagttaaaa aaaaaccatg tgattatttc attagccaaa 60  
 actacaaacc acagtatgca caccaaaaac aaattacaaa ccacactatg ttaaagccac 120  
 agttgcaggc acgcttgtaa aactaagtta ttccactaca cactcttgaa gagtaagtgg 180  
 gtagcttttag gctatggaga acatgtacta atgtgcctca ctcttttaac acaaacctta 240  
 aatcacagac agaagcatgt agattgtagg ggagcttatg catgttcatg gaatgggata 300  
 gacaactatt tttccagttg ctctgtttgt ttccagatgg gcaaacgctt caacagtctg 360  
 agaaaatgga aacgggctct tcgggtcaag tattggcttc agcttaccac tctcaaaata 420  
 ggggttttagt ttctctaaga tcgccccatc agtagagagt atgaaaagga tagctggatg 480  
 aaatccaggt ggaactattg tcacaacttt tc 512

<210> 41465  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g02d1

<400> 41465

attcaaaata cttcattagc attgttggtt tgtgtagtcg aagtgttgaa ccaagaatgc 60  
 aaatttactt gtgtatttta tagtgtacaa tcgtatgaaa acaagatgat ctcgccacaa 120

aacagtatga gcttgggtta aatatacctga tattttctgat ccattcagct acagatgcc 180  
 tctcaagaaa tggctcagaa gccagagtga gttcaatcct cggtataaag caacctagcc 240  
 atgacggaac catgaatgta tgattaacct ggattcttca aataaaaaaa tcaaatgagg 300  
 tcattgttcg aagttggatt caaaagtcgg aaccacgtgt ttttcggagc tttaaactcc 360  
 aattaaatgg ggaccaat cacaagcaga ggagagctag agggctcctt taaaatgatc 420  
 taccatactt aaaaacgt 438

<210> 41466  
 <211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g03d1

<400> 41466

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 aataagtttc ttcttgattg tctttagact actatgttgc tgaagcattt ctgcgatac 120  
 attaagtggc aatgtgtcag aatcaacaag acccagcaaa aagtttaggt acttaggcaa 180  
 cagttcatta aattcatctg aaatgaacac acgtctaaca tacaacttca ggttggattt 240  
 gtttgcgtta taatagctct cgtataaatc ttgaggtgcc ttaggtggta caaacaggac 300  
 tgccttgaac tcgacatcgc cctcagcagt gaaatgactc catgctaaag gtttctcatc 360  
 actgaaatcc ttggcaagag agtgcgagaa ttggtgtat tcttcttctg taacctcctt 420  
 tggattcctc agccatatag ctttcacatc atttaaaagt tccattcat aagttggttc 480  
 cttcacggc tgctgcctgg gctttttttc ttcg 514

<210> 41467  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g05d1

<400> 41467

aaagaaatca attgagaaca agaacaaggt tggcaattaa tccaaattaa agatttgcatt 60  
 tcatatgaca ccacagtaca aaccactgtt tattaccaca tcataaattc ccagccattg 120

ttatgcgacc ccaacaacca tatgatccag ctacactgct tcataataga gacagaacca 180  
 tgaacctgac gagttacgag cttgaaagag atcattcaaa ttttgaggct gtaccttgaa 240  
 ccctggtacg tgtgagtcca acacatgcat caacgaaata ctgggctatg gaatctgtag 300  
 gaaaaatctg cgggtctatct gaataccctt tggagaagca ctgactaatg aagaggcttg 360  
 caaaggcatg aatgcgctga gtgacaggct tgacacacac aacggagtta ttcgccacag 420  
 gcgtaacggg atttttcacc c 441

<210> 41468  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g06d1

<400> 41468

gaataaaaac acacatcata ttactatgtg ttgtcataca tgcattgtaa tgagtggata 60  
 ttccaaagca attggccctt ttatccctcc ttaatcctta tgccgcaaatt ggcaccatcc 120  
 cttgtaaatt ggaattgctt cttcagaaat agaattatac aaagggtggtt gcaatatcta 180  
 tttgccaaac tataaatgta aagacccttc ttcccaatcc tagtagtgtc ccaattgtat 240  
 ttacaaaggt gggacaagat atgtatattc aagtgcacc cgtgtacata agtgaagcaa 300  
 taagcttact ttgggcttta ctagggcaca ttacaggag ttattatg 348

<210> 41469  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g07d1

<400> 41469

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 agtttcaagt ttgagcattt gcttttgttt ttttcctaga gcgcagttat ggttcagctt 120  
 cctccaaacg cgagccccct caagtgactg ctttataagc caacctcttt cacaacaaa 180  
 catcacaatc tctagagttc tacacacaag cacgttctag agagagatag gaaattatta 240  
 aattaagcaa atgggtcgca atagcataga catggacagg gagagattaa cggctgagat 300

ggacttcaag gactcatcct ccgccgtgat cagaatccgg cgccggctgc cggatttcct 360  
 tcagtcggtg aaactgaaat acgtgaagtt gggattggga tacggttact catactcatg 420  
 caaagcagcc agcattgtga tgctagccat caccctccct ctcgtgttct ctctaac 477

<210> 41470  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g09d1

<400> 41470

gccaatgcta caaaaagggg tacacttttc aattaaaaca actttagacc gtaaaattca 60  
 aaatccaaaa ggggctagtt ttttggttca ccaaagcct catacaaaat cttaacaaag 120  
 gaaagcacgg tggctgctcg ccacaatgat taggcgaatg taacaaaaaa aaaaaaaac 180  
 ggttatttaa gatatgtgaa aaacagggtca cccatcctga taaatgcttt tgattgaagt 240  
 ttgcatccaa tgtagatatg aagaggggata acgagacctc ttttgacca tctaaaaaat 300  
 tcgccaaaaa cagcagaaga attccctgta atggggggat catttcacaa gcaaaatctt 360  
 gaggacagaa gcttggccca caccaagaag 390

<210> 41471  
 <211> 407  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g10d1

<400> 41471

agccaagacc cgaatttggg attcatgatt aaatcacgtt taaatcttac cagcaactgg 60  
 aaagttcagc aatacacatg aagttgaagt ctcaacttaa aatatgtaca taatatcatg 120  
 ttcataaagg tctcccgagg atataatata acgcaaccac actcggtttt gcgagtcttg 180  
 gacactttga cagatataag ctaaggcaat agagggacag tgacaggtta aaacgtcatt 240  
 ccattatgcc atgcaatagc tagtatgaaa ctggatctac tccgtgagaa gcatggaaat 300  
 ttcatccacc ggagcaggaa gctgaattga cgtggaagga aaggggggca ccagagggat 360  
 ttgcggcagg aacgaacggg tttgaactgg tcaacgtcaa gtttttt 407

<210> 41472  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g11a1

<400> 41472

acacacagga gagaagagat ggcgacgagg gtggtggcgg aacagaagcc gaagacgaag 60  
 attgtgtgca cgctggggcc cgcacgcgc tctgtcccaa tgatcgagaa gcttctgcgg 120  
 gcgggcatga acgtggctcg cttcaacttc tcccatgggt cccacgagta ccaccaggaa 180  
 accctcgac 189

<210> 41473  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g11d1

<400> 41473

aagtataact atttttatgt tgctatatct cgcaaagg gaccaagttt tgtcactaaa 60  
 tctaatttta tcaccgctgt ccataataac aggaataag ctcgatcgat ggaacacagc 120  
 agcaatattt atatcaatta ttctcgact acttttgcct tgtttatggt atactggta 180  
 aactttgaac caatccaaag caatgatcta tgagaagaca acaagaaaag aaaacacata 240  
 tcaacgttta ttacacaatc cattcagaaa aacaaaaaag aacaccctga gcaaaaggac 300  
 ccaatacaat tatatctcct gagccaattc cactacttct tccaccacag acgcataga 360  
 agatcttctc ttatttgcaa caaagcactt atcacgaatc tcccctttcc caatcgatc 420  
 cgttatcaca tctagctggc tcaccttcac aaaagcatcg gaaaatttct taaaaaacag 480  
 tttctggtct gaagcgaact 500

<210> 41474  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g12d1

<400> 41474

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aaaatccaaa agtggctagt tttttggttc accaaaagcc tcatacaaaa tcttaacaaa   60
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cagtattata agatatgtga aaaacaggta acccatcctg ataaatgctt ttgattgaag  180
tttgcattca atgtagatat gaagaggtat aacgagacct cttttgcacc atctaaaaaa  240
tttgccaaaa acagcagaag aattccctgt aatgggggtga tcatttcaca gtcaagatct  300
tgatgacaga agcagtgccg acacgatgaa gtgccacaac cgaatccccg ttgtggcaga  360
gacccttgga cttggcatgt tgcattggca attctattgc ttcttcagtt gtttcagcat  420
gagaagctct agcagaagct gcaactcaata c                                451

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<210> 41475

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014a02d1

<400> 41475

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cataaaaaata aaattgtctc tgtccaatga acaattccta acatatgcac agtttaacat   60
tcaggggctt ggctatacca cagggtcaaag gtccaaagaa tttcttacat gagatgaata  120
aacaatatgg ttacaacacg tatattagac aagcggaagg aagatcatct tccatttttc  180
aagtctgtga cgtcatatct ggagatcatc caatgaaagt tctgtgctg tcagcatctt  240
caatttcgta atatattgtg caggatcatc gatacttgac gagcctagaa taacttcctt  300
cttcagctta ccagtaagct tgtggcatat cctaagctca gatctgggtg ctccaccaac  360
aatgaatata aatattcggt gccccatttt cttgaaatca ctggatgcat gtttttagcac  420
cgagtcgctt gaatatccat catcagagcc tttaggtcga gcccaagttg gtgtgcgcct  480
tgatctcatt gaatgagcag gaggattgtg agttactg                                518

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<210> 41476

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014a03d1



<400> 41476

aattaagcat tgctcctgaa ggatccaaga gctttgattg cagaacctct aagaatgtat 60  
 tgatggtaga ttgcagccac cgcagctcca acaaacggtc caaccagta agatctcatt 120  
 ggtcggccca cgctttgtcg ttgttgaaga tcacagctgg tccgaaactt cttgcatgg 180  
 taatgccggt tccagtgaaca gggattgtag ccaagtgaac catgaagacg gcaaaccaca 240  
 tgggaagtgg ggctaacaca ggaacatgag agtccctaac gttcctctta ggatcagtgg 300  
 cggagaaaac ggtgtctaca agaacaagg taccaatgat ctcagcacc aaagcggtag 360  
 ctttgttgta accatcgctg acagtgttaa cccacctgc gtacctgttg tagaacgatt 420  
 tctggaaccc tctggccaac ccagcaccgc agattgcacc ggcacactgt gctatcatgt 480  
 acaacaacgc cctcaccaaa gaca 504

<210> 41477

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014b02d1

<400> 41477

cgtctaaaag ggatatacgt aaacatttgg ggtgaggcta gtctcagcca tcacactaaa 60  
 acactatagg tatccttccc gaacaattta gccgaagaa cccaaatgag tggccaacat 120  
 gacctcttc ttaagatcca caattacatg tgactctcca tagctacatt gttcaaatac 180  
 acaaccgtta aaaccaggaa atactcatat aaatgtttac acaaacaga aatcaagtcc 240  
 tattcacggg ttcaagcgcc tcaacagtga ccacactatt tcctctaatt accaccatcc 300  
 ctatgtcatt tttctcattg ccattcactt acacagtgtg gtcaacaact aaattcataa 360  
 actggtcaaa gccacggaga gtaccaacaa ccatgagatt tgcgttcagc ttgatctgaa 420  
 gcttcttatt catgtacttc ttcaaatccg gtgggtgccc tgacctgctc atgg 474

<210> 41478

<211> 562

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910014b04d1

<400> 41478

aaatcaaaac tgagaattca atctataaat aaaacgaaac tcaacaacat ttgtcttattc 60  
cgccaccata taaccccccc ggaatgtcca accatagtaa cagaaaaaca caaggaaaag 120  
gctacaacgt atgaagaaca acctaaattt acattttaag gcatagaagt caaaataata 180  
acccttctaa ttcaggaaat ccaattacca aagttttttt cctgctttta agtccaaatc 240  
caagaacca aaattgacaa aaaaaggaca gggaaatgtc agaagggttc aggaaaacct 300  
cacttgccac ccaaggatgg gaagtgccca ggatcctcaa ttgatggagc tggagcattg 360  
ctgtatgcat ttccactgta acctcctcta gaaccacggc caggtccccg accacgcca 420  
ccagggtagt acctttcccc ttcagctggc ttcagaaact cagtgatgtt gacagacttc 480  
ttggatttct cctccttctn caaagcatct ttgcgcttat ccttgtcaga tcccaattta 540  
ataaagatct catcattttc tt 562

<210> 41479

<211> 554

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910014d04d1

<400> 41479

catatattag attttaaata ttgatcaccg tcgcgagcgc ttgattaata cctcagtaca 60  
agtgaacgc atatataact aaattaactt gtcaccacag tattatccaa agagctgtac 120  
ttccatgcag aaagggttaa cactcatcat aacctccag tacagaaaga ctataaggtc 180  
tcagactctc agtaactatc agcgatactc aacagagagg aatatgttcc aaggattcca 240  
caaatgactc cgaatgcagc aattgcaaca ctgagtacaa cctgtgtcct tgtagctttt 300  
ttcccaataa ttttcagaaa acataaactt ggcattatcg ctgacacaag tataactaaag 360  
agagaaccaa ttaaagccat cacaagccca aaaaaggaa ccaaaaaggc aacacaaacg 420  
gtagatgcaa caagtgttgt cctaagaaga atgaagcacc aatatgagga tgaaattcta 480  
tctggcagca actcctctag actccttgcc agtgggttca tcaacaaagc atatntagtc 540  
aacgggttaa taac 554

[illegible]

<400>            41480

<210>	41481
<211>	469
<212>	DNA
<213>	Glycine max

<400>	41481
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<210> 41482

<211> 435  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910014g03d1

<400> 41482

gcaagatatt aacttgacga aatgaaacgc ttgtgtgcgc aattaagtgg atcgcaaaga 60  
 aggggaagaga atggagttta aacgtcattc catttttccc attccgaggc atcaacttgg 120  
 attgggacct tttaccattc ccactaaaca aactaccctt ctaattcaca cttgggtcca 180  
 aactactttc aaaaagttga ataagaagac tttggtggga gaagattaag attcccctgt 240  
 aatataatct tttcttttaa taatgtcaga ttacattgc aaccaccctc acgttgactc 300  
 gaatcccaaa cccactcccc cggaaatgtt ctctgcacg gagtgccggg gctccccttc 360  
 atatgtcaca atcaacatcg tcggatcgta cggagcacgc tccacgtgtt tctctgccgg 420  
 acaccctcta acgct 435

<210> 41483  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910014g04d1

<400> 41483

atgactcggg gggtattttt gatTTTgcaa attacacaat cacagccgta catcacacgt 60  
 gagctgggcc tcttccaact taaaagcaga ggataacatt ggcccatgac gcaacacatg 120  
 caccacctaa taatcataat ttacatctt tacatacaaa atacaaagac tttaaattaa 180  
 aattaaaaaa aaaaagataa acagatcatc ttgatgaaat gaaaccgaaa ccagaaaca 240  
 ttgttttgat tttttttgtt gttcccaact tgattaagca tgaacggttt gattgaatca 300  
 cttggacttg aagggaatgg ccctgattac gacctggtgg tagagtgctg caagtgcagc 360  
 accaatgaaa ggtcccacc agaagatcca gtgatcatcc caaccaaggc ccttgttgaa 420  
 gatgatagca gcaccaagac tacgagcagg gttgata 457

<210> 41484  
 <211> 551  
 <212> DNA



<210> 41486  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015a10d1

<400> 41486

caaattgaac actaaccttt tatttcaaat ctgaatattc aaatatttct tcagtttgga 60  
 acaggcatca agcaggggta ataagccaag gacaatttct cctttttctt ggcaatacta 120  
 aaggatgcct attctgttgt gaaactaaaa tttgtcctcc aaatattttt cttttctaag 180  
 tctatttttt ttttacatat tttaacaagga aatatgcttt ggcaatagtg tgtcatccta 240  
 tcattgacaa tttccactgc agcatcaaca atgatctgga ctattcagtg aatgcagatt 300  
 tccaaacata gtgctaattg gttaacatca gtatttgga gattcaaaa ctttgcgata 360  
 tgaacccta tatagagcct tgatcagtc tggcttgagc aatgggttaga aaggcagaga 420  
 tgactgctcc atgtaccaga gccttagggc tttctttatg ataaccaaaa tcagttgcag 480  
 ctttcatagc tctctgat 498

<210> 41487  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015a11d1

<400> 41487

aacaacccta tcattatttt tataagcccc atgatagggt ttaatattag taacatttga 60  
 cagggaaaat atttgggatt ttcaaaaatt ttaaccccaa ttaaaccaga acaacaaaca 120  
 aacagtaaag cattaaaaaa ttgggggttt aaaaagggtt gacaaagggg aacagcccct 180  
 ttaattggag aaactttttg gggggatgca aatttagctg gattgaattt atgaagggtt 240  
 aacaagggtt ttaaaatggg ctccccattt agctcaagat ccctttttaa ctggaacatt 300  
 agacttttca agacgatgaa aaccaatgg aagaatgcaa gccgttacc cgttttcaca 360  
 tgaagtcaca actgggcttt tacagaaaag cttttttgga aaa 403

<210> 41488  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015b02d1

<400> 41488

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gtcactcttg tcttggtacc actggcttgt taataattaa ttatacgtac tcgatcacat   60
caaaatgaaa tgctaaatta tttctttatt ccttaattgg cacaaagtaa aaactggaat  120
agtattgaat cgatctacaa ggaagaaaca atgatgctag gttggacgat gtggttgta   180
agcacactgt tcaactcctt ctgaaacctc tccatggcct cagacggcaa acaaaccggg  240
ataaccaacc ctctctctcc tttagcattc ttgaaaggta tgtaaaagct agcaacacca  300
ggatatggctc caaccctcc cttggcgggt cctccataaa cagccttccc ccacccaaac  360
tcaacgtttt caaaccagc acgagtcaca tctgacacaa cataggatct cacaacagtg  420
aaggaggccg tcccttggcc accattaaat tcgccaccga gtgcatgtat tcctcagtca  480
cg                                                                    482
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<210> 41489  
 <211> 516  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910015b05d1

<400> 41489

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aaattaaaag atcaaaactt acaagaatat cttaaaattt catggatcaa agtcaaacca   60
ccaaattaca atggttgaaa aaaaaaagat tgaaacaaaa agctcaacaa gtacattgtc  120
acataatccg taaattgatc aaatttaaga acaaacttaa caacgttatt gcctaagtac  180
cattatgaac caagctagag atctcacgtt tatatttatg tagtattttt aacaaaaatc  240
taaaattaaa tccttgactt agacataaaa tcgcaagcgg agatactcta gtttaaaaat  300
aaaaaataaa aactaaaaga gtgtccctgc tcttttatcc actagcaact ctgaataaga  360
ctgaaacctt cagcgaactt ttaaacttcc attagttatc caatcaccat ctatagttgg  420
aaacctgtca ttttctctca catgtagtga acccgaatgg gtgcctaata cttctcgtaa  480
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0953113.032200

tagtaccata attcatcaaa tgagaanatt agtcag

516

<210> 41490  
<211> 482  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015b07d1

<400> 41490

agcaacatct aagcagtacc tgttatacaa aatagaagca cccgtctata tgacaagcct 60  
gaaaatatag catcttattt tctcaaagaa ttgtatattg aaaactcttc tattacattt 120  
gaaacataat tggctggcat atgtaaaaaa ctcaaagat tctcttaaata acagagcata 180  
cacatttttag aggattcggg cctgaagatc tgtcatcaat gtggaggcca atgagctcag 240  
cttctttcca gtctctcctg caatgttctt aagggaagag agatcctgtt gtgcctggaa 300  
agataatcga ttgatgaggt caccagcagt aagatcaatg ttgttgtctc ttgagtcacc 360  
aaaaagatca gcactggaga tggcacttga acccgaaaac ttagacaatg tagcttgaga 420  
atccacatct gcagccttgg tctgatctcc aaaatattgg gatgaagaaa tagatttagc 480  
at 482

<210> 41491  
<211> 539  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015b10d1

<400> 41491

aagaacgaaa tgatattgtg gttgcttttc tcgttcaact ataaggtaga ttacatttga 60  
agtttttgaa cagcacacaa tcatgttggg aggagagaaa aaaatacaaa agatcttatt 120  
tctaaaattt ggctactta caaatattgc taccattga atccaaactc ccgaacacgg 180  
ggcttagatt ttatgatatc tgagactttc aaagaaggtg ccatggatag caaaacgcaa 240  
caacaccaat tttgtcaact gttgtgcccc tttcaatcat taacatgtgg cccatttgaa 300  
tccttcggaa acccaccatc actcaaact gaaagaatgc ttaaaagaca tggcaagtga 360  
aacaaccact caaagaacgc atctggctgg ttctaagaaa tgatgaagcc ttgtgtgaag 420



tctttacaac cccatcggtt tgggtgtgtg gaactgaact tctcatttcc tgagcttttt 480  
tctgggccaac tctaaagctt gtcataatct tatccataga ggatgcttcg ctttttttc 539

<210> 41492  
<211> 408  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015b11d1

<400> 41492

gacaaaaata acataactat gattaattag tcagggtcag tccattaagt tcccctcgca 60  
tgacatgtgt caggtaggga aaggctctta aactgagtac acacttagag accattacat 120  
ttgcccacac tgattatata accataactg actaaacca cagagagttt aatacataaa 180  
ctacaattaa taatcataga atgataacca aattatgcaa ggctatcatt atcatcttat 240  
aattaataag ttgagtatat atatatatgg atgaggtact taatcataat ctggagacct 300  
gcgagtgtag gaattgagac tgagctccaa ggaagcacgg gaagcattct tgaacccttc 360  
ttcagtatga taccagccat tttcatcata gttataggaa ttagactt 408

<210> 41493  
<211> 537  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015c02d1

<400> 41493

ctcggttgaa atagttcatt tgtagaataa gcttcgtttc ctcaaggga aatcccattc 60  
atccacgctt gttaacaacc aggcaaataa atgataagca caagaaatag taactaaaaa 120  
aaattattac ggatctctgc tcgaacaaaa atcataacct tttaatgtaa tactactaca 180  
caccggcagc atccacactc gtattgtttc agtcagataa acccgcttc gacttttagat 240  
gcgccttgaa ttccataatg tcaccctccc atctgggtcac agattgatta gcacataccc 300  
atatctcatg cgccacctga tttatgagcc taaaatcatg gctgacaagc accaagccac 360  
cgtcccattc attcaatgcc tcggccaacg agtcaattgt ctcaatatcc aatgattag 420  
ttgggtcatc caaaagaagc atctgaggct gtctccaagc taaccaagca aatatcactc 480



aaaaaaaaaagaa aaaaagggggg gggccccccc ccattgggaa accccccccc ccccccc 477

<210> 41496  
<211> 430  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015c07d1

<400> 41496

aagcagtcaa aactgtttcc aaaacctttt ataacataat gggtaatcct tagggacata 60  
aaacaaaaaa tcccttgaaa acgaggtttt tgagttcaca aagggatccc ctataaaaaa 120  
aacctattta tagccctttc cttctgcttt acctccaaga taaaataaac cccacataag 180  
ctttaagcag gttttttgtt ggggactcca tcaccaacat cacgatcaca attttggggg 240  
ctttatttac aaaaagggg aaataaaggg ggttcaaaaa actcctgccg tggaaggggg 300  
gtcgtcaaaa ctccaaaggt ttataggggt tccgggggcg taatgagttg ggtttccgcc 360  
gaccaaagac cccaaggagg catcagccca ggcttaataa aaaaagagg gggtctcaaa 420  
gaacttgagc 430

<210> 41497  
<211> 395  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015c08d1

<400> 41497

aagaaactaa acttacttat tttttattaa taaagcaaag ggaccgaacc caaatgtaa 60  
aaaacccaaa aaaaagggca aacattttcc tttaacgac tctactacat aagggccaaa 120  
gatcataacc cactacataa aacccaacaa aggccgcaag aaaaatgagc cctggaaaac 180  
cagatttcca aaagggggccc tccaacgtgt tccatgaaaa ggaggaaagg gagctaaagt 240  
tgtaaaaaaa gttccctttt cttgaaagca aacataactg cggcgatttg gacaaacagc 300  
tcggtataca ccggtgctcg cagggatgaa aaagtctttg ttgttgctt ccccaaaaga 360  
aaaaatggga cctaaagcag gaaggtttcc agggg 395

<210> 41498

<211> 491  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015c09d1

<400> 41498

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ttccgctcga ttttttttta ttaaacatt aagaactttt gataatcgta ttaacaaaat   60
aagacatgtg tccagaataa agaatcaatc atctataagg gaaaagtcaa taaaattttc  120
acacaaaaaa tgaaagaata catgtgtcca gaaacaggta aaaaatgtag aaaagttaat  180
aagaacaaaag aaaaaggagc ttgggtgact tggtagtcca gtcattcatt ctctacaggt  240
gtaactccaa gtccaagcac ataactctgg tgctattcga ctttttcaga accgggattt  300
tcgcaataac ttgggtcgata gaaggaatta taggaaaccc ttcgttgaga gcagctctgt  360
gttttctcat gtggccaccc agagcctggc ccagagagaa ttcaagtcca caaatggagc  420
actcgtgcat ttttggtttg ttccacaagc taagagtttt ggcttgggtc ttgagttctt  480
ccccctctag c                                                         491

```

<210> 41499  
 <211> 552  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015c10d1

<400> 41499

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ggaacaaatc aaacaaaaac tttcttatga atcataaaca attaatatta tatatatagc   60
attctactat atactatata taattttctt ttcctctctt aacatctaaa atccaatatc  120
ttctatattt tcccttcac ccccccgct tgagcgtgac cttgggttta cgttgtagct  180
acagttagag caacatatcc ttctttttct atatattgct tttgtctccc aagacatatt  240
agactccaag cagcacgtag tagagtatgg ttatgggcaa tgcaattagc atcccaaata  300
taaccgcagt actaagtata tctgcatgga gattgtattc tttggcgaac acaaagggaa  360
cgataccttg gggaagtgca gcctggacaa ttgcaacatg caaaagaact ccacggagtc  420
caatgcctat tgaagttgca gcaatcacag ctggacctgt caagaaccta acagccatag  480
aaaatgctgc cacagattnt ccacaggcaa tgatcttggg ttgtaatgcc atgaacagac  540

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ctagactgaa ca

552

<210> 41500  
<211> 514  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910015c11d1

<400> 41500

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ttgtatttcc caagacattc taaacactat cttccacggt tctaattggc atcccatcta 120  
ttgatcaaac taaaaacata gacaaacagt tgaattacca aaggtgtagg ataaaaagct 180  
gcccttctat ggttggtggg ttcagagaag tataaactta acaagcatgc ttgaagacct 240  
agaagaacaa atcatctcca tattattgaa acaggacaga ttaatgcacc aaagtgcgag 300  
tgtcctcctg attgccaaaa tcaggagct cagaactatg ggaaaacttc atccatctct 360  
tcttctcaac aaatttgaga caaggctgca tcagaaggcc aattgccata gcaataaggc 420  
ttacaacat tactntaagg gtggagaaaa acaacaccac accaatcaat attgtcggag 480  
ggatacacat gataattgtt cagcagttcc cccc 514

<210> 41501  
<211> 535  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910015d06d1

<400> 41501

gatagaaaaa tcaagataag ctgacccatc atcatgacat gacttgagcc acaacaaaaa 60  
ccaatagttg tcccagcagc aattttaatc ttaatcttct agaagctttc attacatgga 120  
aatgaaaaaa gagagaataa gcaatagtag tatttgtttt cttttcagct cctactactt 180  
tgatagctac gcctgtgaca ctgaaaagga ttgagaaaac aggcttctta tttttattta 240  
tttatatcta taagatatga gatagagaga gttgtgatta ctattactat tgagacatcc 300  
aatacttgct catctcaaag ccattcctgc catagtgata gtcttcaatt gtgttctcaa 360

tctcagactg cgtgttcac acaaaagggc catgctgaac aactgggtca ttaagtgggt 420  
 ggcctccaat cagaacaaat ctcaaaggct ttgaagagtt attccatacg ctgaggccat 480  
 caccttgagt caaaacaagg acatggtgtg gcacagttgg ggatgatgtt ggaga 535

<210> 41502  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015d10d1

<400> 41502

aaatgaatca atgactttct tgaaaaccat taactacaat caataatgtt tactcaatgt 60  
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 aaggaaagac aaaaaaaact atatatttaa agagacccaa ggagaaagac aatggaaccc 180  
 gcatctaaat tcatgcacgc agatatacaa aatacacaac aatgaataga caacacccaa 240  
 aagccacaat tttttttctt ccccatgaac ctgctagtct tgaacggcat caattgcttt 300  
 gcctgtcctg gcttgtgaga ttcgatttgc ataaatgggtg accaacttca actgtgtgct 360  
 gttaagccct tgcaaataatg gcaagaatgc tttcccaagc atgatataaa tatccacgag 420  
 acagaaaaca acggtctttc gaacatctgt actctggtta ccaaaaagc 468

<210> 41503  
 <211> 541  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015d11d1

<400> 41503

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 aaaacagcac ccctggtgcc agcccgagtt cgtttcaaaa ctttgagctt taaatttgtc 180  
 cttctgtcac agcccaacca agaatacac aaacaatagc aagtcaaatt gtagttaacc 240  
 tctgatgggg cctggaactt gcccaatact aatctagagc cccctttcac cttctcaact 300  
 gcttctgcaa ctaccttact ggtctccttc acatttgctc ctgacccctc catagactcc 360

tcaattgcct tagatgcagc agttacagca gcagcttcat ccatgaaact aaccttctga 420  
 gaaaaccaca cggtgtttga aacagaatcc gcangcaaaa accagtagtt ttcttcctta 480  
 tgaaatgggt agtagggggc atgtggaaga gcaccaatca ggctattacc cctttaacat 540  
 t 541

<210> 41504  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e02d1

<400> 41504  
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 atacatacat ggaaattaaa aaaaagaaaa agaaaaagaa aagacacaaa agggatacaa 120  
 aatacaccct tggacacaag catgcttata tacaatttga tgcattgccc catggttttg 180  
 gccttctctt ccaaaccacc ccaacaactg tagctgatga gaggaaaaga cgaaaaagcc 240  
 taaattaggg aactgcatag acagatcact agcactcttc aacatagaaa ttattattct 300  
 tcgggggaaa caccatgcat agcccttggt ggcaaattaa tcaaggtagc tagcttaatt 360  
 gattaattaa ttaagcgttg ctctgaagg atccaagagc cttgatagct gctgctctaa 420  
 ggatgtattg gtggtaaaat gcagccactg ctgctccaac aattggtcca acccagaata 480  
 tccactgatc atcccagatt ttgtc 505

<210> 41505  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e05d1

<400> 41505  
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 ggtacatggg catcattggt gaaattgacc ttattacag aaaccaggg aactcattcc 180  
 attcacatgg gggcttgtaa aggcttgga acccacataa gatgttttat agggagaag 240





ttataactgc attatgcaaa caaaagataa aaaccatgca gaaattatag aacctctact 240  
 accataaatt gcactactgt tgagcacatt gcactcgttg accagatggc tcatcatcat 300  
 cttcatcata tgccctgcga tattgctgtt gctgctttcg tctcatctcc tccttaaagt 360  
 tgacatcatg caaagtggtc ttcttacaat catccagctc catgtctgac acatgcttgc 420  
 tgctcttttg aggtaacacc ttttccagta actggcattg gtcaggggaa agaaaccctg 480  
 agtctgggaa atcaacatta aact 504

<210> 41508  
 <211> 535  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015e10d1  
 <400> 41508

agnggccgcc cttttttttt tttttttttt tttttttttt ttttgaacac aatgaatatt 60  
 ttgaataatg gagtatctga attccccacc gaatcactcc atgacttggc aagcaataaa 120  
 ataaatgaca cctaactaac actattgtag ccatggcacg aaattgaagt caattttggc 180  
 caccttggtt cttggctttg gtagggacct tgaataataa tgtaaatacg acaaaaataat 240  
 cttccaatat gtgctatgac ccgtatttgc agagatcctc aaatcccatg tattcatgat 300  
 tatcgatctt gtgtaccata tttaacaatgc caacttcacc taatgagact gcactgacaa 360  
 atattgtaga ggctagaata aagatgataa gagatgctct cccaaataag atgattagtt 420  
 ttctcacaat gtgctgtcca acgaaggcag caatagtagc cacaaggacg aagttaagag 480  
 cataaggaat tggaaaacgt ttcaacaggt agtattctat aacagacata gatga 535

<210> 41509  
 <211> 364  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910015e11d1  
 <400> 41509

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cagggaacca cccaaaaaag gggccccggg gggaaaaaaa cccgagagct ggggagaaaa 180  
caacgagaac cccccataaa aagaagcggg ttcccccccc ccacaaaaaa gggggcaaag 240  
aacggggccc cgctcgccac agaagaaaaa cacgggagag tctaaagggg ggggggagtt 300  
tcggacaaaa gggccaaaca aaaggggggg gggggggggc aaaaaaacg gcgccccggg 360  
ggaa 364

<210> 41510  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910015f02d1  
<400> 41510

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atTTTTatca aattaagaca cgcgccttcc ctatccccctc ataacaaaca taatcttacc 180  
ccagaaaaac aggaagagaa aagcaaacc acaaaagttt tcatagatgc catccatttc 240  
aatatacatt atctaaacac aaatcagccc atggcatact tctgggtcca gctgcgtgca 300  
gtggcctcat acttggcccc gtcagttttg tacatgtgag cgatttccgg aacaagtgga 360  
tcatcaggat ttggatcagt cagcaatgag cagatagaaa gcagtacctt agagatggtg 420  
agtgcagggc tccactgctc ctttaaggata tcaagacaaa tgctaccatt gctgttgatg 480  
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<210> 41511  
<211> 488  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910015f05d1  
<400> 41511

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agccagattt atcattacaa caaacaaca aatggatgac caaaataatg ttgtgaggga 180  
 agttgcaagc aattttatgt acaaataatcg aagtataaag ataacaaaat aaccgctcgt 240  
 tgtttagatt caatcacttt cgtagtcttc atcatctcca aaggtaaaaa cagaagcatc 300  
 tgcagccatg gccttaaact cactttctgt gctgggcacc tcgagactgg aactgtttt 360  
 tccttcaacg ttagttcttg gctcactagc atgacgaatt ggcgtagagc tcttgtttcc 420  
 caaggaaact tgttctgttg catgtgataa atttgcattt catttgaaac tctgcttgaa 480  
 tcggagac 488

<210> 41512  
 <211> 604  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015f06d1  
 <400> 41512

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 gttgataatg ctatgtcatc atagctttat tcagcaaaca acacgcaaac cactaaatac 180  
 aattacaacg atgtctgagg atgttcataa atataaacgt taagtgtgac atacacatca 240  
 taaaaatgtt caaggataga cctcaatcag agatctaaaa ccaaagatgg gaaatatttt 300  
 gtagtgtttg aatcctgctt cgatgaagag ttgtttccat tctttttccg ttctctctct 360  
 tccattcatc gtcaacataa taatgtccaa actaagcttt gtttgtgtca tatccgggtc 420  
 atctagcttc tcatttatta cggcatctat gataatcact tttccactgt tgcctttgct 480  
 tgaaatagaa tctctacact tttgcaggat ctttatgcaa ttntcgtcgg ccaattatgt 540  
 aaaaccacn tagtagcact gcatcagctt gagggataga gtgaacatgt taccacaaca 600  
 aaac 604

<210> 41513  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910015f11d1



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 taatgtcttc agccttagaa catctctgat gctgcatggg tgagaggaaa tatactttct 360  
 acctcattgt ggatgaaacg aatgccactg gcactctata tgtctactac ttgaggaatg 420  
 atggctttgc ccaaataaac ttgttgcac 450

<210> 41516  
 <211> 424  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910015g05d1  
 <400> 41516

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 acaaaacttaa aaaaaaaaaa aaccagttg ttttgctaca aaaaaactga tccatatttt 180  
 acttttaaaa aagacaactt aattgaaggg ccgggcaaaa tctttgcctt aaaaaaact 240  
 ttttttttcc caccctgttg gttggacaga gtcaattccc aaggaggagaa ccgggatttg 300  
 ttgtggtggt ggaacaactt taccccaatt ttcttttgaa acaacagcag gtgcttttgg 360  
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 tgat 424

<210> 41517  
 <211> 559  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910015g06d1  
 <400> 41517

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 aactacaaca agagaaaacc ctcaatttca tcctgaagt attactctct cctaaatgg 180  
 tagtaagaaa attatacaag tattctctca cattagaaat cataataagt aatccttcaa 240

gtattgtaaa atctatcaaa ttgggtcccta aagggtttgta aaatatacta attcaagcac 300  
 taaactgatg gatgctcaat acttagtgga ttactaatat aattttatta ctttttagaga 360  
 gtaaatagga gagaatgcaa tacttcggat actaaattga tgggttttatt caatgcaaca 420  
 atatccaaaa tcttctaate attcttaggt atagcttatg tttccctcac ggccaatctc 480  
 cgcttgcttc atgctccaag cattcagttt tgagaccacc acactctggc tttcattggg 540  
 aaatgcataa agatgggca 559

<210> 41518  
 <211> 495  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015g09d1  
 <400> 41518

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 agacacaatg gcatcaatta ttagcttcag tgattacagc caatacctag caagaacaat 180  
 gctcgcataa cacaaaacag aaaattatgt ctccttagga ggggctttct tagcagcctc 240  
 tgcagctgcc ttctccgctt cgatctcagc aacgatggca tcaatttcgg cttcctccag 300  
 ttgacgcaga cctgctcct tagtcatcac cgcaacttct atgttcttcc ctccactctc 360  
 aacaacttca agcaatgcgc gaatagccaa cttgacagtc ttctggccag aagtgtcctt 420  
 atagttcttc tccaggaact nccgaatcga attcgagttc cttcccgtgg cgttcgcctt 480  
 tcacgccgag aacgt 495

<210> 41519  
 <211> 534  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910015g11d1  
 <400> 41519

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agcgcatTTT tatccaccaa attatTTTgg ctcagactaa gcaaacctaa acaaataaag 120  
gactcacgaa atatataact ataaaatctc acaaaacaat ctatgcaaac aaaatcacac 180  
tgtctctact tcatgtctaa ggctctaatt taaccacttt ttgtTTTTgg tacatcttca 240  
tagctgccct taagcctgtg taatgcaatt ctagtaataa cagcactttg cctgtgatga 300  
tttgtatctt cttgatgatg gatgacaatg aaatTTTgga aaggactttt tttttcttct 360  
cgaattgaaa attatTTtgag ctaaactagc tgtagatgat ttggtacaga gtttgttgct 420  
tgaagaaatc agcctctttt gatgtatTTT ttttaggaga aactagaaaa atatggacac 480  
aacattgatg aaacttaagt aacttgagaa atttggtctca acgaggTTta cacg 534

<210> 41520  
<211> 523  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910015g12d1  
<400> 41520

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ttgggtcacc atataacata tggcccaatg ataattatca ttaaaacagg gctacattca 120  
cgcatTAatt ttacataaaa catggataca caagattgcc atgtgtcaca tttgaaattt 180  
atttacagca aagcagccaa gcctgggtag tctggtatTT ataccaaaaca atcgTTtgca 240  
gtcaccttag ggaaaaagca acacaagatg gtctcagaag atgagctTTg aaatttatca 300  
accttgCagc catttgCagt ctccctggat agatcacttg aaaattcttg accaaaaatg 360  
tacagttgaa gcaagcaaat accacaaatt tgcaggTtaa tgaatgtata caaggaatct 420  
tcttgatcag aatcaaacca tattgggcat tcatttgGca gaagatatgc gctgtacaga 480  
tgaaatccag ctatcttaaa ggccaatttt attactaccc ttg 523

<210> 41521  
<211> 527  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910015h02d1  
<400> 41521

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 tctgtgatta taaacatggg ataggtcagt cctgcaatg tagtccatta aaaggaatca 180  
 ttcttctgtc attaaaagga accattcttc tgttatgcgt ctcttccac caggtcagag 240  
 ccactagttg tgcaggattc tattgatttg tccaagataa tcccttcttt aatctcatct 300  
 gaagctgcca gctgttctac cgtcctccca ccctcaagac aaaccatgag atcaccaagc 360  
 tgcatttcca ggtccgtac tctatcacc atcagtctcg tggtttttt ctcctctct 420  
 tcaatcgcaa gtatcttagt tttccaaatg tctcatctt tcacaagatt ctcatthaaga 480  
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<210> 41522  
 <211> 557  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910015h03d1

<400> 41522

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 taccagccaa aacctaagagg taaatttctc acgcagttat aactgcatta tccaaacaaa 120  
 agataaacca agcagaaatt atagaacctc tactaccata aattgcacta ctgttgagca 180  
 cattgcactc ggtgaccaga tgggtcatca tcatcttcgt cgtatgcctc gcggtgttgc 240  
 tgttgctgct ttcgtctcat ctctctctta aagttgacat catgcaaagt ggtctcctca 300  
 caatcatcca gctccatctc tgagacgtgc ttgctgctct tctgaggcaa caccttttcc 360  
 aataactggc attggtcagg ggaaagaaac cctgagtcgg ggaaatcaac attaaattgg 420  
 atgtaaaggc gacccttcat gaatggccta ttgtgttng gcattccctc atcatttaat 480  
 gctttatatt gacctggctt gatgacttcc ccaggatttg atttgatcaa tagttgccta 540  
 ccatcaagat gtttgac 557

<210> 41523  
 <211> 530  
 <212> DNA



<213> Glycine max

<223> Clone ID: jC-gmro02910015h05d1

<400> 41523

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tacaaagaac tcaagctaac aaaaccagct acggtttcaa gttacagttc aagcaaggat   120
gatgatgatg atgaaaatgt tacaagtaaa caacaaccat tcttttggca gaagtgtaca   180
caaagtaaaa agagagactc aacttaaga cgtactctac aaccaattat atccttcttc   240
tttcggttct tttctttttc ttttcatttc aattagtctg tccactctca acacctaaac   300
catacaagac accagcatat ttctccgtgg agccactgaa gaacgcatcc ctcaactttc   360
taaagtgtaca agaagtgagt aaactatcag acccagcctg atggcacacg ccaacccttt   420
caacctccaa caactccgca agcttggtca accctccgtg gaggctgttg cagaacttca   480
tcaggtgctt gatgtcatat accatcggaa aatacatctt gatcagatcg           530

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<210> 41524

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910015h06d1

<400> 41524

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aaattaatcc agctgaggaa cccaaaaatt cagatctggg ccaaaacaaa taggaaaaac   120
tgagtaaaaa aaatctccct catttgctat tacgctgctg tggcagaggt gggggctctt   180
aactcgattt tctatccttt ctttccgcaa taccctaaact taacatactt ttgaaccctt   240
tattttctcc acaaaagaaa attcgaccag aaccttaaag aattatgttt taggtcttcc   300
ttattcttca attcatgagg ctccgagctt ctctttgtta agaacaaagg aaagaaagga   360
aaagtactga atgcaacagc acaacgcagg acacacacat cattggtgaa ttccccaac   420
caaagtccag aaccataaaa atgtcaatct ctactattat ctgtcctcat gattggacag   480
ccaacctttg cagatgtctc aagaaaactt gaaggctcac atcatcagta aagattaca   539

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<210> 41525

<211> 328  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015h09d1

<400> 41525

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 gaacacattc aacatttccc aacgggctta aaacccccca cggggaccgg ggacaagggtg 180  
 aaggggtgat tccttttgga tgttgtaacc aacgaggggc ctttcacccct tgagctgttt 240  
 gcccgcaaaa aaaaaccttt gttgggtccc ggggaagccc tccttggcct gaaaattggc 300  
 cttcacaatg tcaaaggggt taaaactt 328

<210> 41526  
 <211> 553  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910015h10d1

<400> 41526

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 aagaaccacc cgataggttt acagagaatt acctgttgaa atcatttgcg tttcagcatt 180  
 tacttaagta aaaactgtaa ctgagccaat tgctcaaacg caacatgatg aaactcatag 240  
 cagcaacatc caggttcagt tgacctttat atagaagctt tacctaacca tgacaatttc 300  
 ttcaattaca caagagaaaa tcaaccagc ataactgtat ctcaaagctc caacagattt 360  
 caatgagaat aacctgcatt tgttttggat ttaacatacc caccatacca caaacatga 420  
 gtaaacacaa tggagcctat cgatggccac atcaaataat gatgcttgaa ctaaacaaga 480  
 ttatacaaca aaattggcca catcaactat agaactctaga tatgaaagac tgatgaggag 540  
 attaacttaa ata 553

<210> 41527  
 <211> 532  
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910015h12d1

<400> 41527

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 atcatcaaag caataaaaac cagcacggag accatacata taaccagcat taaccaagag 180  
 gccatgccac tttccacctc ttgagcatat tcagcacaag ctagtccaag gaagggttaa 240  
 gggaatgaat acgcccacca tgtaacgttt aacctcttca tggatttctt gaacatggct 300  
 ggcttgcaag cctgagacat aaacaggaat aaagacagaa agaggagcat ctttgatggg 360  
 gtgacaaaag cacctgtgat ggatttccag gctagacttg ctatgcttgg tgcagcaaaa 420  
 aacaacaagt aagttggcct tagcactgtg gggaactggc tgccacttgt cagacgctga 480  
 tacagcgta caaatataat tagataatat accaaaccga gtgagaacat ta 532

<210> 41528

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a03d1

<400> 41528

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 taacgcatac aattaaaatt ccaccaaaaa ggaaggaata acgatcggaa gtaaccctt 180  
 catgcacgta caaattaatc agaatcacac actgatgaat agaatttgaa aaataaaaaat 240  
 taaaaatgga aaagcacaac tagagcaaac ccgaagcaga agaaggatat aagatgatat 300  
 gtgatagtat aagcttaggc acattggaaa tcacgtggga ctttccttga gcaaactttg 360  
 agaagcaagc tgaatgagat aggaaggttg aggggtgctgc cgaaaaagtt tgctttgagg 420  
 gcagtgcata ggcacactgc agcttcaagg tcaacgagac 460

<210> 41529

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a04d1

<400> 41529

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gggacaaaat tctgataaaa ttccattgc atcaacacag tgacattgca tagccaaaca   60
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attagacatt gaatggagta gtagtagtag tagtcatgaa acacgcaa atttcatcca  180
caccagcaa gacatgcact gaaggagtg attaacttaa caacactctt aagcttgagg  240
cttctctgac ttgagtggct tcacaacttc ccagggtgaag tctgcatcat ccgttccaaa  300
gggtccataa gcagctgtct tgaggaaact atgaccaccc gtcttaaggt ccaagttaat  360
ggtgatcatt gcaggtctga aggcgaaatt ctcttcaca atttgataa tctgattgga  420
aggaatcttg cctagttgca taagtgttca caaacactga ctagggtca gggacaccaa  480
tggcttagga aacttgaca atgcaccttc tagcatgcca ttgcccaga cactcttt   538

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<210> 41530

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a05d1

<400> 41530

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gttttgataa tgtggacatt ccagtgaata caaaccaagg cctgagttaa tgctcattgg  180
agtgcacaa aagcgacact ttacatgtaa ctttttattt tcacttatag aatagggacc  240
ccaaaagcac taactagcac aaattaaagg ccactagtaa caactttttg tagtgaccat  300
gctctcttga caaaggtaac acagctgaaa gccacagggt ggtctctacc accccccaac  360
ttcattactt cacctcattt ccatgtccac tatggcaaaa tcacattttt caaatttttt  420
ttcaagggtt ttcagccagc tttgttgaac agtatgcaac agcctctgca acagtgagga  480
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<210> 41531

<211> 557  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a06d1

<400> 41531

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 aaggataata gaagaacaat ttgagcaaca ctcgataagt gtgtttactt ataaaattcc 180  
 ataaccaga agccagagac actgcaaacg attttgatgc cactgaatcc agaacttaat 240  
 gccaatcca tgaattcatg ttgggttctc tcttttctc ctgagttttg agtcatcatt 300  
 aagaggtcag cttggaaacc actcttagca gtaactgtgc tctcgggcaa aatgggaaga 360  
 attaagtcca caacaatcac ttttccatca ctaggaatag ctttatgaca attcttcaac 420  
 aacttcaagc attggtcatc actccaatcg tgaagtatcc acttcataaa aatgggcgctc 480  
 tccgtgggaa cactctcaa catatctgct tctacatgtt cgataccggg gtatgtagga 540  
 gcatgctcta tgacatg 557

<210> 41532  
 <211> 515  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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<400> 41532

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 tactatagta atccttgctg caaaatttgt acttaagcta agcctttggc tattgcaatc 180  
 ttctaggcat cacaggatga ctgcaggata ggctctgttg taatacttta gccaaagcgt 240  
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 gcccttgatt agtcccgtct cagtaccaca aaaaattatg tcattggctg cgaggatgct 360  
 tgttatcttg cttccagctg atattctccc caactttttc ggtgcctccc tcaaccatat 420  
 ctgaatgttg ttcggtgaag agctggagat taggtacaag aagtcttcta ccacttccat 480

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515

<210> 41533  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a09d1

<400> 41533

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 ttgaggtact tattttattta acatttatct atattttttt ccaataaaat tttggcaaaa 180  
 ggagggacat gcagaaaaaa ttgacgcggc ctgctgtttc atggataaac cgaatttggc 240  
 aaaggaatca gcagcagcat tgtacggtat gtaaaacaag tatgaactat ttgtagcaga 300  
 agttagagct ttcaactttt gagagagtgg gaaacaatgc 340

<210> 41534  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a10d1

<400> 41534

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 gccccgttac ataaaatact ttagtataca aaaattggcc tatcacttca cttacgaaaa 180  
 gaaaaccccc acaaaccaga attctactat tagggacact tggttccatt ttttttcccc 240  
 ttaggagcaa tgcaggggga ccaatttttg gcccacatg gaaatcatag atacactttt 300  
 tgcaaagtca acagggagct gaaaagaaag aaagaaggcc caccagcggg gcattgatat 360  
 atgtaggggg ctcaaactgc tgaaagaaag gcctggaatc agggaaggaa tctgggttat 420  
 tggtagggccc acccaccacg ggcccaacca acacattt 458

<210> 41535  
 <211> 565

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910016a11d1

<400> 41535

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gttctgcagg tattcagtta aagacaagta agaaacaagt tccgggaaac aagttgtggg  120
aaacaagtct gatatccttc taacaaatta atcaacctcc tcgcatatgt gcaccaagct  180
cgccaaactg atcatcagcc tccactgtat cttcagatag cctcacagca tccagcttct  240
gcttgagaat ttctatggca tttagaacca attgagaagc ttaaccgct ccagtagact  300
ccacagtgaat tatgaagcta tctgcctcg caatgatttc tacaagcca ggcttgccca  360
tagcttctgc tttcttaagc acctcatcat catatgtgta tgcctcagca tcaaccacca  420
tcacctgttg tgtcactgga tcaatttcaa agacacgggt tggactactg tcaaccatt  480
ctcttttctc tttcagagtc aaggtttcca tcaaatectc aattatatga atctnCGgtt  540
catacatgaa agtgacagtt gcagc                                         565
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<210> 41536  
<211> 553  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910016a12d1

<400> 41536

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gtattataca acttcaaat aaattatcta atgtatcttg catatataat aataacaaga  120
aacttgtaga cagactgata tagaaacttc tgaaaggagg gaatacacag aagttggaca  180
ttaattacca aaaactgcag gtcaaagtct gctttaatca gttctgatga gcagatagag  240
cgaaattgga gacattagt tctattgccc aatagaattc tcatgtagta atacatattc  300
tcgactactg ttaccaaatt taatgggtgc cttttcctta agttcgtaat atcgttgagg  360
ttcaatggga ctatcantta tgaaagtttt gtttgtgctt ccaaggcca taacgtaagg  420
ccttacttgc ttaataatg taccatcagg ttgctccttt tcaacttgcc ggaattgaat  480
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aaccatgttt gtgagggctg gcttcacctc agtgtactta cgggtcttga gcccacagtc 360  
 aggggttcacc cacaagatgt tcttctcgag cactgccagt atcttggtga ttctgtcaga 420  
 aatttcttca gttgggtgaa ttcttggtga gtggatgtca tagacaccat ggccaattcc 480  
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<210> 41539  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910016b04d1  
 <400> 41539

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 agaactctag tgttgttaga accacaacta gggcatttgt ggtagagcca gtggaagggg 180  
 gtctctcctt tcttttcaca atcattacat aataaaacct gagtttgact agaaatctca 240  
 tcagaaattc tctcttcagc caacaacgca tctaaccatcc taaaatatac ctgcatgtct 300  
 tcaagtgact tgctacatat tgggcaggta taattaaagc aggtatatcc ctgaaaacat 360  
 gttgagtgc ttacatgacc acatgggagg gctgttaccg gagagcagga tgtgaagata 420  
 tattcatgac aaattggaca gttgtcctct aaatgtttct cctgcatgta tgtgtcataa 480  
 gagaacgaga catacaagca 500

<210> 41540  
 <211> 585  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910016b07d1  
 <400> 41540

acagctaaaa gacaattatc caaccacgag ctgttaattt tacatcccat catcaatgga 60  
 gcatttatag gataatctga tagagaaatt catatatcct taccattatt accatgcctg 120  
 acaagacgta tgtacatttg ctaactgtaa ttgctattaa gatacacgat gtctgtctga 180

gaaattatgg tccagatata cacagccaca actacatcct ctataaactt atatatagcg 240  
 agggatagga aaacctaaga atcacggaaa attggttgcg gcatccactt gagatgcaaa 300  
 ttcaaaaagc cagatttggc tccatctagc acaaaacggt ctttgtattc cctttccagt 360  
 attaccctgg taagcgtcaa tatgcatctg cccatatagt cctttccgaa tgtgtcgtgg 420  
 tcccaaactt caacaattag catatcatgt aatccatcct caacaacaaa gtcaaagtgt 480  
 tgattccaaa caggattcaa gctgtcattc acaaccctgg ttttggtttt tgtttctgct 540  
 tttttcaggg tagaacaaca naaggatcag attttcccat gaaat 585

<210> 41541  
 <211> 612  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016b08d1

<400> 41541

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 taaaagaaag aagaactaaa attatttgat acattgctcg ctgccagaa taattatcta 180  
 tcaatctcct caaaaccttg gcttgaattc aaatgggtca ccatctaacc ttggcagggg 240  
 aatacttctc aatgagtgac acatagtatg gcttaacttt ctccacatca actagaactt 300  
 tgctcttgct gtagagatca tatttgtaa aaattttgag ccacttcaaa ttctcaacgt 360  
 cttcttcatt catgaagtga gtatatgcac cttccttggtg taatggatag aaagaatgat 420  
 atctgataat gaacaatcct gcagatggca aagtgggtgc atttgccttg gcaaccatat 480  
 acatgtaatc atcatgtccc catgacatca ctatgttgct taatccacac ccttttgtga 540  
 gatcccatth ttagtgctat aagcagggca tttgtaatcc cggttgctct tgaaataactt 600  
 atgatgaaca tt 612

<210> 41542  
 <211> 561  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016b09d1

<400> 41542

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acaaatgttt aaattataat ttttttctct aaaagcttaa aaaattaatt cagacttaaa 120  
cgatagatca gtttaacag taaaaagtca ttgacataaa tatatgactt attcgtccaa 180  
ttgcagaggt aaaatcacgg gtctattaaa cagtaaatat cgaaacaagt aaaatttgat 240  
ccgaattgaa ggctagttta gttgttgga ggcgcagcat tagcaatatac aatgacgaaa 300  
cggtagcgca catcattctt agcaaggcgc tccatagcct cgttgattct gtctggtgtg 360  
attaattcaa tgtcactcgt tatattgtac ttgacacaaa ccttcaacat ttcctgcgtc 420  
tcttttattc cccctatgat cccacctttc actgatctct tgccaaatat caatgggaaa 480  
gctggcaatt gtaagggctt gtctggtgca cccacgagat ataatgtccc gttgactttg 540  
agcaatttca agatgggcaa c 561

<210> 41543

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016b10d1

<400> 41543

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ctgtcatatc aagggtgcat ccttacagca agcatgtctt gttaagacaa cactttgaac 120  
ccatgtcagc cagactaaca tctcggtata tatagaactc tcttcagact gcaaaatcgc 180  
attattttgt gcagcctcat gtgctaggat agctttctag ccaaagttta tcccctgagc 240  
taatggtagt tcaattccat aattgatggt acatgtagaa cgcgcagatgt attgcttcca 300  
tgagtcactt cccgcttcac ggccaccacc tgtcgccttt tctccaccaa aggcaccacc 360  
aatttcagct ccatttgtag gtatgtttgc attcactata ccacaatcac tacctcgtgg 420  
cccgatccat ttgaatatag ttccaggtct ttgggtaaag attgaactac ttaatccttg 480  
aggtacagaa ttgttcaagg caattgcttc ttctagagtc tgaaatttca 530

<210> 41544

<211> 611

<212> DNA



gagagcaaag taatggctct agaaaactcc ttgaagaaat agttctggct cttggccaat 540  
 ttcttcacat 550

<210> 41546  
 <211> 556  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016c09d1

<400> 41546

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 tgtatgttga atacacatgt aagtataacg aatcaactac caaactccct aaggacgacc 120  
 aaaaagaaaa agaaaaaaaa aatcctgagc accatgtaaa agagcagttg atggccaact 180  
 gcttggtga atggctagaa actcagattg cagatgaaat accgtaaccg ttacgatgag 240  
 ctttttgcca tttccatgca acctgcaaac tcttctcaag gtcagtgtat tgtgcggtcc 300  
 aattcagttc cctgttgatc ttagaagggt cactatacac ctcggcataa tcgccgggtc 360  
 gacgtggaag gtagtctact ttgatgtcca cccctgtggc ctttttgcaa gcattcacia 420  
 actccttcac tgatctaccc tttccagttc caacattgta gatccctact ttagcaggtt 480  
 gtgccttctc aagagccttc acgtgagcat taaccaaadc agttacatca atgtagtctc 540  
 gtatgcatgt tccatc 556

<210> 41547  
 <211> 558  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016c11d1

<400> 41547

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 aggcgtgacc atgcctcttc aagctccaat tcctcatagc tgagagctga ctctagctag 120  
 aggataataa gattacaaga gagaggaatt gtttttgatt ggatccacia aattcaagat 180  
 gactccagtt aatttggcag gccagtttgg tgacacgaca tacactaagg tgtttgttgg 240  
 aggcttggcc tgggagactc aaaaggagac aatgaagaag tattttgagc aatttgggtg 300

gatcttggag gccgttgtca tcaactgacaa agctactgga agatctaaag gctacggatt 360  
 tgttactttt cgtgaaccag aagctgccat gagagcttgt gtggatcctg ctcctgtaat 420  
 cgacggcagg agagctaact gcaaccttgc ttctttgggt gtccagagat ctaagccttc 480  
 aaccccaaag catggaggag cagggaggaa ctttagagta atgggttctt tccagacagg 540  
 atttggaggg ggagtggg 558

<210> 41548  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016c12d1

<400> 41548

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 atcatatcat atatagccaa caagggtcgt tatttaaata gcactccaca tatatttatt 120  
 caatccttac acattgcttt tgccctctaaa atcaggtaca acacacatgt catatcatta 180  
 ttacatatag agaagcattg atacatatat taattaactt aagaaagcca aaccatgtaa 240  
 ttactgaaag cacatgcacc tgagagctta cttaacaaga gtacatgtta ctaattcttc 300  
 atacatgtat agctatagct gctagcttat ttggatggac atgcatgcca ttaaacttat 360  
 cctcatcagc ctccttaatt atgategagg gtgacgccat taaacttttt ctcagcctcc 420  
 ttatgattca tgactccata gccccgtctc ttgcattatc ataattcgga cgttttcccc 480  
 cattaccgaa attgaagcgt 500

<210> 41549  
 <211> 569  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d02d1

<400> 41549

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 taattatata caagcttttag ctgctatgaa attaacagtt aaatatgtag cgatattcta 120  
 cattgacaac aaccctgtgt gatctgcaaa cttatcagga tgcagaagat acagtatgga 180

agcttggtta catcggaatt ttgtatgaaa taaacagtga gattaactga gatattatga 240  
 ctgcaactct gtatattggc cttgctaaac tataggtatt catagaaact tattaatggc 300  
 aaggcaagtc ggatcgcgga tgatatacaa ctgttttaggt gtcaatatcc aaatcccgtt 360  
 ctcccttcggc agaggttcat cactcaagtg gatgtgcatg tacttcatta aggaatgatc 420  
 agatcattat gaatcagcta tcatgcattt tactctctct tgtccatatt taggtcctga 480  
 ctgcatagag ttagctgctg ttgcaactgc atgtattgga acttttagca ggcagcttat 540  
 cagtcaaagt gattatccga gtctgaagc 569

<210> 41550  
 <211> 552  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d07d1

<400> 41550

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 ttctgatga catcaaggcc aatacataat ttaatgctcc aacaaagcct cgtaacctta 180  
 gctgaattga ttgtacacca atcagctaag tctaacctta ctctctccac acgatcaaaa 240  
 aatgaaaagg gaaacaaaaa aacttaggct ccaccacaga aaataaaatg gagcatatgc 300  
 cactgtttta gttaataaca atacattect ttttcatgga tatctttctt aaatattatc 360  
 ttctctgatc cactgtcttc atcatctaata tagatcacgt aacttgccct ttgacaaact 420  
 tgattgtgca agctgagcca ggaaaccttc attcatatac tcgcttccgc ttcaaagtgt 480  
 tggagctatg gaaacaaaac caatgaggaa aagtactgat aggtcttaaa atcatataga 540  
 tccttaattg ac 552

<210> 41551  
 <211> 604  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d08d1

<400> 41551





<213> Glycine max

<223> Clone ID: jC-gmro02910016d12d1

<400> 41553

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gtttatcaga tgcaatgtat gcaagaatac cacagcatga ggccacatt aatgaaagca 120  
caccgaattg taacagctgg gagaaataaa ttactacaga aagtggagat agcaccggca 180  
acttaaaatc atattttgcc cagggcacaa gattactccg tcaatgcttc aaaaaacatt 240  
ctcccacaaa cccgataaat aatcttgat gttttcatcc gcacctggt gagacaggat 300  
tatttaacac gcccttccat cttcctatct tcgagaaggg tacacagcac cagttgccct 360  
ggctgctgtg ttagaagcaa agcttgagac tagcctccca tttgctgagc ctgaaatttg 420  
ggcactgggc atactt 436

<210> 41554

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e05d1

<400> 41554

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tgacttacaa gatggggggtt gctggaaaag cccatggaat tcccaagggg taccttttac 120  
tttcaaaaac cccagggggt taaaacctgg ctgaattttt caaaaaagtt cccccccct 180  
ttggaaaaaa taatcccaaa aatattctaa aatttagtag atggccccgc cccttttta 240  
gaatttttta aaaacattta accctttaat tttaaccttt ccgataccgg ggggggggca 300  
aatgataata aaagggttg gcctcttaaa gcttgggagg aacagggttt tttggggggc 360  
ccactttctc tttctccctt tccccttttg gggggccac tgggactatt ttagggg 417

<210> 41555

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e07d1

<400> 41555

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 acacaattac aacacgacat gacgtgacca ctatttagaa gtgtccctac ttctcaatat 120  
 tattctgaaa aaaaaattag gacatctttt gtacatcctt gggccaaaga tcttaccatt 180  
 tccaaagtag ctagacttac atctattttt tcatttcaat tcaagagttc tcatatgttt 240  
 ccaggccctt tggagactcc aaaaaaatg gacaaattgc actcttaaat ttgtaaatat 300  
 acaactcatt gtacatatca atatggtgcc gatactcttc aactgctttt actttattcc 360  
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<210> 41556

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e09d1

<400> 41556

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 ttttatttac aatcttatgg ggcccaaat gcagatgcct ggactaatta aacaacaacg 180  
 ttagtctgat aggcaggggc catagataaa ttgggtaccc ataaaagggc cttgcttcca 240  
 aggaaatggc aaaccggggt agttccagga tcaactccca tgagttcatg aagcatggga 300  
 tgattcattc cagaagtatc tgagtggcaa acagcaagtg cctgagtttt ggggtccatta 360  
 ccagccacca atggaaccat gaaagctgtt gttcacggac tttatggcgt aaaatactgc 420  
 agttctgaaa tttagcccat gacacatcac tgggt 455

<210> 41557

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e12d1

<400> 41557

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gccttatgtt tccaattttg aaaggggagg ggggtctttgc caatttcaat attaattgcaa 120  
tcaagggcca tttttttacaa aaaaacccca acgaatttca atttaaccct tttacaaaaa 180  
accttttttaa cgcgaagga tttatcggtt gttattttcc agccctcaat ttttaaccaa 240  
gcttaagttt aaaaggaaca atcttcatgt ttcatttggga aatccacaat tttttttacaa 300  
aattgggttaa ataatggggg gcacccact tttaaacttt gttccaggat taaaattttg 360  
ggaggccacc tgggtttttg taagccatat t 391

<210> 41558  
<211> 494  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910016f02d1

<400> 41558  
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gtgtatcaac aatcatgact aaaggaacaa aagacttgta caagcactgc caaagaggct 120  
taaaccagat tcaagtattg gcagcacaaa aagcttccaa aacaagcaag gttcaatata 180  
tacattttac agcatgctat ctgtgagaga aggcaacctt cggaagaaat tgactgggtgc 240  
tcctgggggtc ttgccccgaa gcataggggtg cctcattagg taaaatccag atagaataaa 300  
caacatcttt ggtgggtgtaa catacaaaac tatagcagtc acaaggcaaa acaccatgaa 360  
tatcgaagtg gctctcggat ccttcaatt tataagagca tgtaattctt ctccctgagt 420  
tgctatctgt ccaacaacac tttgaacctt ccttgccaaa cttctcaacc tatcatacct 480  
tcaacgaacg atat 494

<210> 41559  
<211> 394  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910016f03d1

<400> 41559  
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taaaatgaat acaataaaca tgtacatata tagcaggggtg aaaaatgctg tgcacttctt 180  
tctaagccaa atgggttattt gaacaatgcc cttattcaga gatatgaccg tttgcttctt 240  
cttccctctt ttcttcagag acagtcttag caatggtaaa gctgggctga tttgttgaag 300  
acagaagcct agcccacatt ctatcagtaa ttatcacttt attctgtccc tcagtgatc 360  
tataaaagggt tatgtacgtt tgtcttccat tgac 394

<210> 41560  
<211> 504  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910016f04d1

<400> 41560  
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aatttaagca attggtatac aaagtatgat tttcaataag gaacctccgt accaaatatt 120  
tagtcacatt tatttgtaac ctattaaaaa cttttgcgaa tacgcgaata gctcccctaa 180  
taaaaaaaat gccgcatgat taatcattaa caggaaaagg ctatctcact tgatgtcatg 240  
aaaagatggc aacacagcaa taagagggtc tccataacca acaggctctc catcctcaac 300  
aagtagtttc aacacttctc cagccacatc agacttaata ggaagtccag tgccaaattg 360  
atccaaatac cctatgactt gcccttcttt gattacatca ccctctttac agataggagg 420  
ttgcttcttc cctttcactg gtctacctct tcggaataag cccaaccgtg gagatgatac 480  
taagacatag gtattggtac caga 504

<210> 41561  
<211> 449  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910016f05d1

<400> 41561  
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cacaccatc acaagtccaa aacacttgaa cttgctgaaa ggcaagacat gaccacttta 180

ttctaaggat gttggttttaa cacaaaacac cagagggcac gaaaaccatc acagacataa 240  
 tacataagtt tttagctaca cattaatagt ttatcattat tcctaattaa gggctatctc 300  
 tgcttgaagc ttgctctccc aacacctaac ttgcaagtgc agggggttgc ggagcagttt 360  
 ggtccacatt tgcagccatc gttctcaggg ggcacacca tttcagcacc ctcaaattga 420  
 gccttaacag gtgccactcc catgaccaa 449

<210> 41562  
 <211> 525  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016f06d1

<400> 41562

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 agataagttc cataattata cgataaactc atctctaaat atttcactaa atatttgagt 180  
 accatcttta acatcaaaca tcagatacaa gtcgatcat tctataattg cacatcaaac 240  
 atagttcagc taaaaggctt actttattat attttttatc tacgaacaac tagacattgc 300  
 agaggtggct tcatttccat ggaaagccta agacactccg aaagatccac gggttgcgcg 360  
 ggaagccatt tgaagtggcg aagaagttgc gcgagccaga gatgggtcgt ggccaaaccc 420  
 aaggcccggc cgggacacac cctacgttca gcccgaagg gtgcaagcct caagtccgat 480  
 cccatgatag aaacatcttt tttgaagaac ctcttgggct tgaaa 525

<210> 41563  
 <211> 566  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016f07d1

<400> 41563

cagtggcact tttgtgctct actgacacaa gacttggact ggaagattta cgagtaggag 60  
 acaatgagga actcctactt ctatgtcttc tgtatcgttt agcagatgga gatcggcttc 120  
 taccacgtct tggagttgta gaaggacttc tgtgacctct tggtgaaata gaacgacttt 180

ttcgctgta tgatgacaaa tgatcataag caatgaacct cagcaactaa acagctatct 240  
 ttagagaata taaatgcttc ccaccatcta gcacactaaa tacaaaaaca tgtacagtta 300  
 cctcagaaat tgctaagatt aaccattgtg tgctccatct tttatcacat gaagaagcaa 360  
 atgtcacaat cgagcaatga aaaaacaccc tatcagcacc caccacctgt tcatatccct 420  
 cacttcccat gttatgggaa gaaactgac ttttttattg ttacaaatag catatatcct 480  
 atcttgttct ctaaattatg ctctatatgt ggtattttga tgaagttctg cctccacata 540  
 taagtgggaa atcccacaaa gaaaga 566

<210> 41564  
 <211> 516  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910016f08d1  
 <400> 41564

ccaaaaagac ccttttggcc tagtctcttt cttataataa ggtaaccaa ataaacccaa 60  
 atcacaggtc aattaccgaa taatccagat tgagggggaa aacaaataag agtacagggg 120  
 tcctggagaa tgtaacaata cgtaggtctg agaaggaaga aaaagtgaat ataattatat 180  
 ctcacataca cggagcagct ttatttctat ctcaaacaaa aatagaacaa gcttcagtta 240  
 ctcttcaat gaatttgaca tgaagagaca acttttagcat ctgacaaaat tattgtcaac 300  
 aataatcttt cctgatgtaa aaaatgaaat gaaactggaa ggcagctagt tgacaacatc 360  
 aagaaccagc ttgcgagact ttagaacgga ccacctaagc cgacggtaat aggcagcttg 420  
 aagtaatgcc agtgatagaa caaatattca tttgaatccc atcagttttc tctcttccat 480  
 ctcaggttcc gcagcccaag tcaggaatga tacaat 516

<210> 41565  
 <211> 523  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910016f09d1  
 <400> 41565

caaagttaaa aaatttccta ggggtactttg aggtacatat gtacacactt aatgcataca 60







<223> Clone ID: jC-gmro02910016g02d1

<400> 41569

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gttcacaaat caatatatat taaaacatta aggattttta caattatcta atcatagcaa 60
ctacgtaaga gtttaaacgc tgttttcgtg ataacacggt tattttttcca ttacagaaga 120
tgacttagcc attcggcaat aacattatgt gtttttcattg tatcaactaa aataacttaa 180
cgatgagggt accatttaat cttactccat cagaaattgc atctaatttg tgttttagatc 240
tcgggaagaa agttgcagcc ataagaaggg aagcgggtta aagaacacta aaacttgaag 300
atagccgcac cacttgatgg cttggaagca aatacataaa ggccaagatc gttctttctta 360
ataacgcctt tgtctattct agactggtag aaacattcct tcaaattaag gataaattgt 420
ggaactatgc tctctttcac caaagcaaca gcacaaccac cccatccagc ttcagtaagc 480
cttgcccaa gagcaccatt gttacgacaa atatttaciaa gggtcttcac tccggacagc 540
tgattcatat aaacgct 557
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<210> 41570

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g04d1

<400> 41570

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cttcaatgaa caagaatttt gacaaattat acaacgaatc tttccattag attgcgttct 60
taaactacca attgggtacc aaccaattcc cctaacaggt attttgaagc gcaccaagg 120
ttgatggcaa cagtggcata gcaatgatat cttgattggg tttccctgaa gaaaagaatt 180
agctggaaga acaaattgag ttttacctg aatctactgc ttgaacttgt tgccgggcca 240
agtacttttc ctttctctct ttccattcat caattacaag ccctttggca gcaacccgag 300
gacctgctc cacggggaggc tttttccgag ccttaactgc ggcatcagct ttagccaatt 360
ggcttttcag gtttt 375
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<210> 41571

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g06d1

<400> 41571

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aatcagacc gaactgattg caatttttat tatatataaa aaaaaaatta cgacagcata   60
actatttaat tacaaggaaa tttagcgggg ggggatggga aggaaaatgt attaaaaaat  120
ggtgtetatc gtaagtttcc ttttgggagg agttttctct atgatctgct tctgtaagtc  180
cataaatgaa gaacccttgt tagcaaatag tcttcgcaag ttgatcacag aaagttcact  240
aaagttagca acggttaagat cagcctgccc caaatcatat gcaggatgag ctccaattaa  300
tgctacggcc atcattgtac aattgtgccc agcagttact cctctaggat catcttcaaa  360
aaccacacac ttggaagggt tccgatccaa cttgacagca gcagaaagaa atctatgagc  420
tattgactcc attccatcct cttctgtcac aattgcctgg aaataactgc tgagcccat  480
tcgctccaaa gcctcttaca tatttcttct atcaagactt g                        521

```

<210> 41572

<211> 548

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g07d1

<400> 41572

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gaagtcatat tatcttatga gcaacaagat taaaataga acaatttcca gggaagaaat   60
ttctcctaca aatcgatttt tgttgaagtt gctattacaa atattttcag taaattccac  120
tttactgaaa caatatacat atgatttcat tcaattatga aatttaatta gtaaaaaaaaa  180
atattaaaaat acatatagac aggaatagca caaaattaag acctaaccta tgcagagggt  240
agcccttttag gaagagattc attgtctgga tcagggtgtaa gaaaccttcg acaagcataa  300
aaaacagctg aatggaaggc agttgggttg tcaatgaacg caaagtgcc accctgagga  360
atcctgatga tttcgcatgg aaccttcata tgcttgcgag cttcttgggc accttgataa  420
ttcatccagt cttggaaacc atacatgaaa gtggtgggca cttccactc tgcggcactg  480
agaagaaggg gcatcctagc aaatgtcca aatgaaaaaa tatattttta gcacagctct  540
tcactagc                                     548

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<210> 41573  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g08d1

<400> 41573

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ccctaaatgg gccgtatcca agtttttttg gcccggaaaa aaaaatcccg gggcccaaca   60
ctcatgaagg cattcctcca caggagtaaa aataggggaa taaaaagaaa aaaaaaaaaag  120
ggggtagtgg gggggccaag ggaaagaccg tttatccggg ggtaaaaggg ggctttgaaa  180
acagagggca aaggttgtac cccgagatta acgggcttat agcaagggca ccaaaagcca  240
gaaggggcaa cccaattgaa gcactcgcca tttttgggaa aacatttttt cccaattgg  300
atggccagtc ataaacgcgg gtagcaccaa atgatgcacc cgatcccaaa agatccccc  360
aaacctggtc cctgaaaaaa tcaaaggggg aaccagggg ggg                               403
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<210> 41574  
 <211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g09d1

<400> 41574

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gtccatacaa ttgatcgtaa tttgatgtta gtaatttgta tggtcactat ttacaacagc   60
ataaaagcac tgtaagaatt acaacaatga aagaagggac aaagccaaca tgttctctct  120
tatgaattca agtggacttt gaatagctat gaactatata aagagcaaatt tttaaacata  180
aaatacaaaag tgaaacttat cacataagaa ttgactaatg gagatacctc atcatgaaga  240
gcgtccccc  ctttccttag acatcattcc tttgagactc ttggctaacc aaatggctgg  300
ctcccttgga gagaccttgg ctttcccaaa gggcttcaga acaacttgaa gttcctccaa  360
tctgttttgc tgcagcaact ttgcagacaa ctccaagagc ttttcaagtg cctctgctct  420
ctgcctgaaa gatttcacat cccatgtttc ctttgccacc ggtagtttct cttcattaca  480
ggaatgttgc atttactggc ctcagcagaa tcag                               514
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<210> 41575  
 <211> 505

[illegible]

<400> 41575

<210>	41576
<211>	388
<212>	DNA
<213>	Glycine max

<400> 41576

<210>	41577
<211>	484
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmro02910016h04d1

<400> 41577

gggataacac caggcttatt aatttacata acctcaccg agcaaaagcg ggtttaacag 60  
 ataatggtcc agtacgtgtt aggaatctaa catgctggca atgtcaaaaa aataacagca 120  
 ttggatggtg taagatctaa aatacttaca aagctaggag gaggacaaaa tggatacata 180  
 tttggatgta catgtaataa ctctatctag acaggctagt tgagatacat aagaataaga 240  
 acgtgtctgt ctacgtaaag ggcagacaca agtagaagta gaagaaacaa atagcagtgc 300  
 caatgtaccc ggcacgatga aatcatccga gatggagcag ccgaagggtt gtggggagct 360  
 cttccagcaa cagctggagc aactgcatgc ccgctcgttc tttgttgctc atctgtaggc 420  
 aatgggtttg atgaagtctc atttggagaa aggggcatcc tcttgccctag actcagatcc 480  
 tgac 484

<210> 41578

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016h05d1

<400> 41578

agaaagaaac acaaatttta gtatttaata aagcaaaatg cacacatgcc ccaaacaaaa 60  
 caagccttat tcaacccaaa ttggtttcat atcacagaaa ccaacaggat gccgccttcc 120  
 tccttactgg tccacccac tcgaacaaaa gttctacaga aataaaaatg gctacaattc 180  
 ttctaccaca aatctgaaaa gtctaacc accaaatcaaa aaaaggaaaa ttaaacaatc 240  
 aaatccgatt gataaaaccg atttttgtct ttccctcact cacttttcag ttgatcatct 300  
 caatcactta gtacctgtag tgagcaggct tgtatggacc ctcaacaggc aactgatgt 360  
 aatcagcctg ggacttgcta agctgggtca gcttagctcc aagtttgccc aagtgaagtg 420  
 cagccacctt ctcatcaagg tgcttgggca aaacgtaaac cttcttctcg tacttgccgg 480  
 tactcttctc cttccacaac tcaagctgag caatga 516

<210> 41579

<211> 520

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h07d1

<400> 41579

gtgttcaatc acgtaatttg tttcaactat tattttgaaa gcataggaca cgacaaatag 60  
 tacacaatat aaagccagaa caaacattgg agatattata tatatatata tatatatata 120  
 tatataatcg tacaatTTTT cattttggaa gtccaaatat acagaaaaat aaaaaacata 180  
 aaagcatttc aataagaata tatcaactat gctccctgct ttatttcttt ttctgcactc 240  
 ttttcttaat agattttttc ttcttctctt attcacacca atgaacaatg agaatttttc 300  
 tccctttgca ctaggcaatc tataaacaac ttgtgtgttg tccaattatt ccttggcagt 360  
 gctgtttctt tgcctgatg atgccattag cacagcaaca gccactataa acataaacia 420  
 catactccct agcagtatat atgttctttc tgatgatttc ctgtactctc caaacagaat 480  
 cagcccccac aaagtgctta caagtggaag tgcttgact 520

<210> 41580  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h09d1

<400> 41580

ctaaaacccc cctttggatt ctttttttta attctgggtt tcttttttcg ggcgggggtg 60  
 tggataccgg ggtatacccc ctaagtggac ctccaaactt aacgggggaa accctaaaga 120  
 cccaggctaa atttctccac ttggaacttt aatcccgcta agatggccaa ttttccctc 180  
 cctcctaac tttgggcctc caaactcagg ttccccatca gggggggatc tcaatcagcc 240  
 ttggagttat ccaactccgc atttacgggt ttccccctta atttatgcag gctttctctt 300  
 ggggaaaggc tccagctgtc caaagacttg aaattttccc tggacaact tgggactaac 360  
 aatttaaact cctccctcca ggggttatgg gaag 394

<210> 41581  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h10d1

<400> 41581

accatatata tatagagaga gagaatacga agcacactga tcacaggatg atgctctctt 60  
 taagtaggga agcagatctt atcagtacac ataggtaggt tgaaattcta gctctagcaa 120  
 tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180  
 aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240  
 aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgcttcca aggaaatggc 300  
 aaacagggtt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360  
 cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatca ccagccacca 420  
 atggaaccat gaaagctggt gtttcacgga cttcatggca gtaaaatact gcagttctga 480  
 aatttagcct atgacacatc act 503

<210> 41582

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016h12d1

<400> 41582

cagtagcatt taataaatta gtaagtaggg ccttgtgttg ataatcgaat acaacaatag 60  
 tagagttaca atatatatta taaaaaagag caaagccaaa gcggaaagcc atgtcagggt 120  
 tttcaaccat tcaggccctg cctgtcaa atcaaccaccgc atccttcaca agttcttcta 180  
 gcagcttccc ctctacttcc ttcacaaaaa tatccatctc caatcccata agtcaaccc 240  
 accctttgcc cacaaccttt tttctgacaa cactctctac caccaggctg atactgtccc 300  
 cacaatccac catccaaaca gaacttatag cactagatat taactccttc atctgtgcca 360  
 caatgaggtt caccaatggg ggagatgcag tttctgggac ttggaccct 409

<210> 41583

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910017a02a1

<400> 41583

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aaaaaaaaa aaaaaaaaaa g 81

<210> 41584

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910017e06d1

<400> 41584

actgtaggaa cagcgggggc ggggtgtgac ctcaaaataa aaattactat aaacctatgg 60

acaaatatta ctgcgtcatt gattacgacc agttaaacia accgagaatt gaattgaggg 120

caggacgtcg ctctcacat tgcaaat ttaaat ttaacaaata ttacacttgc 180

ccttatttta caccctatta atagcccttt gggaacaacc aatgaaacia acccgaagtt 240

tccatcacta ctaaagagat caccttaa atgtggctaaat tcaccagggg aaatgtgatc 300

aggaagcttt tgctaaaatt atagacaacc actggctgga ggcgaggtat taacaaaggg 360

tgcaaggaat tatgtactga gg 382

<210> 41585

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019a01d1

<400> 41585

atgaacactg catggttcaa aattaaaaaa agaaagtgtgta acacaaaccc agtacacaaac 60

aagtagtggc gggcacatgg cattgaatgt gcctatagct tctttatttg ggggtctctaa 120

tcacaccatt ttaagggaaa actattcatc ctaatccatt tagattgggg taaccatacc 180

ctttggtgat gattcttctg aggccacact tgcaatatca actttaacag atttcttggt 240

aacaaagtta caatggtttc tgatttctcc tttttttcca gtgagcacac caatgttacc 300

catcttaatc attgaagcct caaaggcgtc aaagaaaact ttctgggcac tgggtgaacct 360

gttgacaatg gggatggta 379



002220.000000

<210> 41586  
<211> 526  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910019a02d1

<400> 41586

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tggctaaatg gaatttgcca cgcttgatat cgtaaaagta tattactact tccatcaaaa 120  
atttctcctg tgaaagacag aatataaaaa tctaaactta cgcttccccg caaaagaata 180  
aaaaataaca aaacaaaaat gaaacataga atatgttgat aggggacaca ttgaatccat 240  
cttgaactcg aatcctccgt gggccttaac caacatcaac tgtttcttca ttcacgactg 300  
aagtattcat cccacagtgg tcgtcacgca gttatgatcc cacaccgagc agagtgaaaa 360  
cactcaactc ccaaagtccc ttctcagctt caccatctct ttccaccca gttgccgtca 420  
cgcccaccac cattggagaa cctaccattc ctgccttctc cacctctttc accaaacctg 480  
tagttccac caagaccacc attatcacca aatctgccac cttttg 526

<210> 41587  
<211> 513  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910019a05d1

<400> 41587

cattctgttc ttacttaata attataatgg gagaacacaa ttatttctgg cagaatatag 60  
caaataact ctccgacaca ttttgcggtg ctacagattc tttccattgt atcatagtaa 120  
attaaataaa tgtgtaaggg ctcaatcttc attgatacaa gccctgtaat acatggggca 180  
atattcagca caatagcctg acttgactat gtacagtata cacagtcttt gcgcatccaa 240  
attctcttat ataaatcttt gtttttggcc aggcagtga tgattaggcc ttggcaatct 300  
tttgaggat acttgaacaa ccagaagaca aggagcacca attatgaact tcaaataatt 360  
tttatatact gaaccttaata tgatctaaac cacacgtatt tggtaaattg ctgcatcata 420  
aggtcctaac cgcataggac tcacttgaca gcttctttgc atttcctaga catttgttac 480

513

<213> Glycine max

<400> 41588

tcaaaaactt ccccataaaa tgggtcccccc caaaa 395

<213> Glycine max

<400> 41589

cattgagctt cactccatac ttga 504

<210> 41590  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019a11d1

<400> 41590

agcatcaatt tgagggtggac atatatatct acatctcgca tgccatattt ggtcctttaa 60  
 cattaaattt ctctactcct ttttagctaaa ggagaagctt tctcgttatt cacataaaac 120  
 tcggattcca ttttaattttt accaaaccta agagacacaa gagccgaaga ttgaaaggaa 180  
 aaaaaaaaa gatattttatt ttttggggac cctgacactt ttttcatttc ttttaaagcc 240  
 gccccaaaaa aatccccctgg ccccggtttt aaattcctcc ccattttttt ttttgttttt 300  
 tcaaaacctt ggaaaagggtt ttggaaaaaa tggacccttt tccaat 346

<210> 41591  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019b01d1

<400> 41591

agtaagaaat ttacctttgt attgcatcca ctatttagtg gtaaattctat acaggttacg 60  
 ttttaagttt aaagaagcac tgtgaaggaa ctttccagat ataataacca acaaacttct 120  
 agcattagtt aatttaacca aaaagggttt cctctaata tagcctgtgg aaatcatatg 180  
 cagtaatact cagtaagaga cattcctgta aaaattagag ccaattagaa ggtgacattg 240  
 taacttattg ccatcacggg tgagcactga gcaatcatgc tgccgaaact gattgagact 300  
 tttgttgagg tggatgccca agccaagact tcaccatgtc gtatgtggtg aaactaattg 360  
 cagctgaagg aacaatcctt atataggtaa tgcttacgcc atgaaacagc tgcttccatc 420  
 cttgattacc aac 433

<210> 41592  
 <211> 490  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019b02d1

<400> 41592

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aaaatgaatt tatttcagtg aagggtgaca ttaatattag ggaagacaga atgacgagaa   60
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atgtaagatg acgggcccac ttgcatttgc cttactccaa cagttgtgaa gcatttgtaa  180
gagattatga gcttacagcc attcctcggc tccacatttt ttagactgtc agccaattct  240
gggtagagct ggaacacatg cacatgcacc agtcgtaagg cagtcattga ccaaagttct  300
tctggaagct ttgacaattt atcacaggat ttaatgacca gatgtcgaag tcgaggcatt  360
gcacctatct ctaatctcca ttgtacgaca ggcataattct tcatatgaag cacttgaagc  420
tgcggggaact tttccatccc aatatcaaga acctttaacc acgtaacact ggaatattca  480
tcaaaatcaa                                     490

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<210> 41593

<211> 485

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019b09d1

<400> 41593

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ataattcacc tatgtacaga aaagatctat atgtgtctac taacccatgc ttggttgagc  120
ttctgatgca ttgaatgtat cagggtgaatt agaccactt tttctaccat tttggtggtc  180
atcattctgt gactgatctg atggcattgg tgtcttagga gattaaagtg gatgatgcct  240
atgaccattg gggcgaagat gatgatgacg tccgttatga tgatgaccat ttacctctt  300
actctcctta agggtttcac tctcttttgc gactctcatt gtattgtggg agacagctgg  360
aacagctggt acaaagggtc caattggaac atcattcaaa gcctgaagtg gttcgagaac  420
attaaccaca gtgctcatga agggctctact ccttggcctg tggctaaggc attggtaagc  480
caatg                                             485

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<210> 41594

<211> 446

<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910019b10d1

<400> 41594

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gatcaaaata caacaataac ataccaaagc cacagaactt tcctttacag aatgggccac 120  
tttatatgac taactacaac attactttca cgctgtggta tgtcaaggct gtcagatatt 180  
ccatccatgg aagccgatgc aaatacattc taatgctttt tagtatccct tatttgaaat 240  
tgatggagca taaaactttt gcacataagc aactattgga ataggtaaag aattacatta 300  
aattcataag cctgccacag aacctttatt tacagaatgg gccactttat atgactaacg 360  
acaacatttc tttcacgctg tggatgtgca aggctgtcaa atattccatc catggcagcc 420  
aatgtagaaa cattctaaag cttttt 446

<210> 41595  
<211> 450  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910019c01d1

<400> 41595

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tcaaaagaag aactcagtt gaaagtaaaa tcttaaacct tcagcctgta tactaagatg 120  
aaaaacccta aacagcaact taaaagccac caaagcccaa atatttggca tgatcaagtg 180  
aagttttggc caatatttga ccaaagagtg aaaccaatgg tggctgcaac cgccacacca 240  
tagcacaacc gcactaggaa atataaaaag ctgttagact caaaatttgg ttcattgctgg 300  
agacaagtcc ctatctaaaa gacctatcca ctactaact tgacaagcaa ccgaggacaa 360  
gaagaatgcc cttggatata gttataccac gattattagc atgcacaaa cacttgatat 420  
gaggcctaac aactaccatt cacatacacc 450

<210> 41596  
<211> 442  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910019c04d1

<400> 41596

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 cctataaagg gtaacaatga aattgccagt taattacaag ccgttagtaa tcaaactaat 180  
 agaagttatc tactaaacaa cattgcttgt tctgtcagtc agtccaacag ctgatagcac 240  
 acgcaaaaaa caaacttgcg acaacctcca atagacctaa tatggctatc tcaacctcat 300  
 tcttacacac caatgacaat taccacccaa atgtagaagt tagcatgctc acaatggcag 360  
 ataaaaatta tactagtatt tactatgctg ctagaattct atattactat gccgtattcg 420  
 agggccaagt agaccttttt cc 442

<210> 41597

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019c07d1

<400> 41597

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 aatatatcat tgcaatttac taatgcagaa cagctacagt tactcagctg cttaatgaat 180  
 tttattgact aaatgcacca aacgcaaaat gttctttttt gttttgtttc ctttcagaga 240  
 cagaagggga ctactactct gcaaactctg cactagagaa totcaataga cttcaacatg 300  
 ccattgtttg ttctttcttaa gttgtgaaag cttctcttcc caactttctc ctctttgctc 360  
 agcaaccttc tttagtgtat cttggatccc aggcatcatc cttttcagac cacagaaata 420  
 aatgtgggcc ccattatcca ggagtttgaa gatttcatca cttgactcct ctatcttacc 480  
 ctgaacatac attttgcccc catttttggg cttttggtct ctgctgaggg ctcgatcata 540  
 gcggaaattg tccgaatagt c 561

<210> 41598

<211> 490



<210> 41600  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d06d1

<400> 41600

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 aatatgtata agacatatgg agctaacctt gccaaagggtt tgggggttagg ttatgttggg 120  
 aggagttgat gcaactttcc ataccagcaa tgttgaggat atcagtgtga gagagaggtc 180  
 taagacccaa gaaatctctt gtcagggcctt cattattgtt tcctctggca ccgtcatcgg 240  
 cggtggttgt tttcgtcatg gcatcgccac cagcaccacc aaaagtgtcc tcaaagaag 300  
 tcccttcaaa ggggtgaagag acagagttga tgatatggtg aaggagtga ggagaaacac 360  
 cattaccaac agcaggaaca gttttattcc cgaaaggtag caagccatgg agagtggggg 420  
 tcatctggtg gtcacgtgag gacaaattca aagcggcatt ggcagacacg tgagcc 476

<210> 41601  
 <211> 565  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d09d1

<400> 41601

catacaatat tatgcatttt cataattctc aattttttatc atgtatatgt aatgaggctt 60  
 tcaccatcgt ccagccccc aagactggaca aaagaaagtt tttgttttac aaaagaaaaa 120  
 actgactaat aatttttcctt ccacaaatca tcagcatggt cagccatagt gtgcaaaact 180  
 taatggttta accgtttaat ttaaacaagc tgactacag caatgaccct tagggcaccg 240  
 ttttgaagaa gatcagcaag ctcatcaa aacagggcag ttcgccatcc ccatccctta 300  
 ggagcttttag gtagaagagt gcctgtttgt ttaaagcttc caaacaccgt cttttctctc 360  
 ttggatggga cgggtcaactg gtagcgtgca gtcacctttt cccgagagtc aacatacata 420  
 tgcaccttct tatgtatata agttacctct gccttccgac ggtgaagaaa caaccaagg 480  
 gttcgccgtc cctgggggtc ttcattcatta aaagcttgta cactgacctt ccacagagaa 540  
 ccagcttaga aaacttttgg agaata 565



<210> 41602  
 <211> 579  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d10d1

<400> 41602

gaaaggaaac tttattatta tttcttttaa aagataaaaa tgggtcttat atgtataaat 60  
 tagaatccca gtgtcatacg attattatag gtacatccaa agcaaatagt aatatatatg 120  
 acaatgtgag taatgattat ataaatagca tatacaacaa aaattcgtag gttactctat 180  
 aaaacggtat atggtaattc ttcagcaatt tcctgaataa actggaatcc catttatttt 240  
 tctgtacaat attgctgttt cttggctgta tacaggggtga agattatcag ggtaaacttg 300  
 ttcacccttt aacatcagca attatttgct gcaaacattt cataacatag gagaaagaag 360  
 gtcgtctcca gtgttccgag gccacgcaga gctcaatcaa ggcagccact tgaggattca 420  
 catgccctgg aatctctaac cttttgcca taaaaccaac agatgcgaca acctgtgaag 480  
 gatttaatat tctccatggc tgggtgcaggg tctactagttc ccacaggata cagcaaagct 540  
 gaatacatta catttttcgt tgacagtttt ctcaatgac 579

<210> 41603  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d11d1

<400> 41603

aaaataaatt ttattgtata caaagaaaaa aaaacggcac tggacgaaca ctttcaaaac 60  
 agctaaacaa aaactccaaa ttccataagc ctattttggc ttcaacatac ttccctttta 120  
 ttttccaatt tccatttttc atcatcatca tcatccatat tattatttcg gcctgttatt 180  
 ggtcacctga aaagtgaaga ctgaaaaacc tccccggaat cacgtacaga aaaaccatta 240  
 tattatttgg gccaaccacc gaaacactca aacacagcct aaaaaagaga cccactccc 300  
 cgaacgtttg acctttgact gacacaaaac gacgcccaca ccccatggta ctattgtcgt 360  
 gcaatcacc acccaccttc cccgtcgttt catcaccgac ttataatttt tttttcactc 420

cctccctcct cccaggttta ctatcactac tactgtgccg aaatttcatg aacaaactta 480  
 ttcaaacgaa tt 492

<210> 41604  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d12d1

<400> 41604

aattccatgt tccagctatc aattcaaatt tgaagcctga ccttgaaaca tctaagcaca 60  
 taaatttaaat ttaaacacac agcaacgcta tcaaaaggat attcaaggaa catcacgaca 120  
 ctgcttatga ctctctcaac tcaccacaga attgatcaat tgacactcct gttttttaat 180  
 gcagtaaaca agaggaagaa aagtaaaatg taggtgcaac tttcacacgt gtcacatgac 240  
 aatgatatca ctacatcact tgttaattcc tctgcagttc tttctgatct ctccccttga 300  
 ccctgttaaa ggagtaatgt ttcccatctt aaccatggac ttggcaaatt gttcaaagaa 360  
 aagatcgttg ttttctgcat actgcttcac taaatccgct gatacttgat tttttgtcaa 420  
 gagaatttcg tcagaactta ag 442

<210> 41605  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e07d1

<400> 41605

cggggacaag gacccatgaa aatatttcaa atattaacta attctgcaaa aattttggaa 60  
 cattttaaaa aaacctaaac tttttaattc tttttacatt ttaatgaaac ttattaaaat 120  
 tccggctgac ttttccttta ccactgttcc ttttgaaaaa aaacaccccc aaacccaaaa 180  
 tttggaaaaa aggattaact gaataagggt gtccttcccc caaagggttaa ggcctttttc 240  
 actgaaacca ggttttaatt tccacggcaa aaatttgttt tatttttagc atcttcctaa 300  
 aattcctccc aaccttaaaa gttttcctga acccaattac aagctcccta tttttaggaa 360  
 caacctttta ctccctcata aaaaacattt tctgacttta taaaaatttt tttgacaaa 419

<210> 41606  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e08d1

<400> 41606

caaaatatat tttttatattt gaatcttttt gaggccttttt tggggggcaaa aaccctaaa 60  
 gcatttttca cacaacatta atgacaacat gggtgggtca ctttttaaac aaccagact 120  
 ttttaggttc aattaatagc ttattgaaca tgacaaatgc cccgttgaac gggttccttac 180  
 aactgaacct agggaaagaa aatacgaca aaccctaaaat cacgaaaaac aggttaactg 240  
 aaaacagtcc gcttcatagc attgctgaag ggctttatat cttaaactag gtatttacac 300  
 tttgggacgg aatctttcat attacatggc gttccgcaa atttacctcc agcctttgca 360  
 tttttcctt 369

<210> 41607  
 <211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e09d1

<400> 41607

ggtaaagatt caaggtatgc tgcataaatt tgtgaaatac aacaatattc aacatattcct 60  
 gtaatagttg agaggctatg tcaatgtctg ctaattaat tacagaacag agagaataaa 120  
 acaatggaaa ggaaaagaag aaaaaacata tgtttaccat gtgcaaccat tagatacaag 180  
 aatcaccgga tattcatggc atcctacaca aacctcccaa aatctcaatt ctgttaaadc 240  
 atgaagggga ttgaaccttg atgctttcca aatgccattg ctgcttggct ccgtaagtaa 300  
 cgaatgccca tcggatcatgc atgctcaatg accgtttttt acttttagatg aaaagaatct 360  
 actgaaacct cgggtgtggt tctccggtgt aggagtggaa gaagctgacg aagaggttga 420  
 cttagtaagc ctgtgggttg gattctgtac agaagatatg gctggaaagt ttgactcatt 480  
 atctgatgga ctgtataaac tgtagaaaa atgt 514

<210> 41608  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e10d1

<400> 41608

aaaaaaatta aactaccctt ttttacattg gattggaatt ttaaaaaaac cccttaattt 60  
 ccgaacgggg ggggacccaa ctttttccat ttttaaggaa caaacccaaa gcaaagcctc 120  
 caaaatttta ctttttcaac ctttcccaag gggggcataa aaaaaaaatt tttttttttt 180  
 tacacccctt caaaaaaggg ttttttaaag ggccacgaa gggggggcct gaaaaactca 240  
 ccctaattggg tttgatcatt atatcaacgg ggcaaataaa aacctccgga gcttttcccc 300  
 tttgaaaacg ggaattgccc gtgttttttt cttttttccc cccgccttta aaacaaaccc 360  
 ccacgccttg tttttggggg accggggaat cccccaaaaa ggggttcccc 410

<210> 41609  
 <211> 525  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019f01d1

<400> 41609

acaagaactt taaaacttg cattaaggca cttaaattac atgcgagact gcaaacaagt 60  
 agttgaagct accttggttt ctatcaattt aaaaagaaaa aaaagagttg aagctagctt 120  
 ggtcatgcag gaataaaaaa ataccagcag accaagaaaa ccataataac caaacgcgtg 180  
 tgacccatcc atctacagca gtacactaaa gttagcaacc tgactcagca tagcaactgc 240  
 ttcaacggta aaaaatttcg ttgcagctgc tgccaagac acatgaaaaa aaacctaata 300  
 acacatcaaa tcattaaacc gttcaacaaa gacaaaacca ctaacatcat tcatgactca 360  
 gataaagctg cccaatcaat ctccacggaa ggtactttt tcaagtccaa cccaagattg 420  
 catgttggtt tacaagaatc cgagaaatcc aggaaagtaa tatcggattc gggcgaagaa 480  
 aaagaagaag atattcattc gacaacgccg aggatgaaga tgttt 525

<210> 41610  
 <211> 60

0953443.032200

<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910019f12a1  
  
<400> 41610

ctggcctggc gtactgatcc ntgaggacag ccgattcggg ttttaattgcc cgggctcgac 60

<210> 41611  
<211> 499  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910019g02d1  
  
<400> 41611

agtgtcatgc tcacaaaaac tcaactagcc tgggtggtaa acaggctcag tcaatatttt 60  
catcatataa attcatcctt ctcatctctg cattgtctac tttgccatca gatttttact 120  
cttgcgacca aagtcataaa attcccataa aggaagcaga tatggcaaga gaatgatcaa 180  
gctagccaat ttttcatccc atttagagga taaactgtat aaatgttcaa cttgctcaat 240  
tcacattaaa acaatctaata gagatactac atattaacaa cttgagcttg gtacaccata 300  
atgtccaagt taagcagaac tttcaattgt accaagcagt gttgcagaag gggattggct 360  
actcatcatc ctgagggtca aaatccttaa ccttcacatc tgcattcttct ccatattgaa 420  
tgccgttgtc aatttggggc cagacatatt gaatactttt ttccttcctt aagtctaattg 480  
gcataaaaact caccatgct 499

<210> 41612  
<211> 400  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910019g06d1  
  
<400> 41612

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ttacacagca cgctatcctt acattgctag agattgggga gcataacaca gtttataatt 120  
tctatgatac ctctatgtga caaatgattt acagtacgat tttgtaatgt gattcagctc 180

aaggagaatg aacatcccaa ttccaaactt attttacaga taaacatcaa catatactgt 240  
 aaatttttat cgcagtacaa tgtttcaccc ttttaagatgg acgatacgaa gcatgacgtg 300  
 caaggtgcag ttacacgggc atatcgggca ccacatctct ctgcatacat ttaagccaca 360  
 acaggataag atgcacaagg tgcaacaccg cacatattct 400

<210> 41613  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019g07d1

<400> 41613  
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 aaagacatca agaggggaaca aagaaaatat atgttaaaga aagaggtata aacattcttc 120  
 aatagtgtac aagatatata gctgaatcaa gcactttagc ctttagttct ttactccttg 180  
 agaatgtctt gggtccttgt tattctatct ctcaggctca catttggttt aactcattct 240  
 gaggctggcc atgacaagaa gctctcctct gctgttgcat gtggcactgt ttactgcgac 300  
 acatgctatc aaaaggattt atccacaggc gaccatttca ttttaagggc atttgactg 360  
 ttgattttt tttttttaaa aag 383

<210> 41614  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910019g08d1

<400> 41614  
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 tataacaacat tatacgttac acatgaataa attcatacaa tacttgcat atatataatt 120  
 tgagaacgag atataaaatt ggaacaaaaa ccacaactgg aagggcctgt ggtgcggtaa 180  
 gtaaaacagc cacgattttc tattgtcaca aggacctaatt tggccaccac taaaccttct 240  
 ttaagtcttg cagtgaatac ctttcggata attttgccgg aggggtggtt aggaatacag 300  
 tacgggaaaa aaactctacc tattttcttg taaaatacca cctgttgtga aatgtatgtc 360

tttatttcat ccacgggaat cttagaacca tttagacctta caacaaatgc acctgggaat 420

tttttctgca ggttcatatt ttatacctac aacggcagaa tcagacatgt ttgggt 476

<210> 41615

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019g11d1

<400> 41615

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ttttatcctg aaagaataga cttacagaat aagtcaaac aaaataaaag atactttaca 120

cactagctat ttatcagcat caatgactag aacgatgcc a tattctacat acgtgaccct 180

ccacagaaat gtgcatcctt tctaacgaaa atcacatatg ctaagcaaaa tcaaataaaa 240

attacaaaag aagaaaagaa ttttatacga ggaactactc aaaacaatgg gttttaaattc 300

atcatgatgc tgttactgca atagatgaat tagagctttc tttctctggg gggggcttaa 360

tatatttccc tatcacttgg tggcgaagac gctcccttat tctgtgtttg ttttctatac 420

ttttctgggt cctcatttcc ttctccttgt gccttaagct tc 462

<210> 41616

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a01d1

<400> 41616

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caatactcat aacaagacaa acacctgcc cccctaacy gctaaccaaa aaaaaaaagt 120

cctgaaaaaa aaaaggctag tgtggaaaca tatacaacca cctaaagaac accaaaaacc 180

tttttaccac cactttacc ttggccagat caaaaccccc aaaaaccacc gaaattaaac 240

caacctcccc catcaagtca acaaaaaaca ggacatacac cctatataaa gccgcggaac 300

acccccccct ttggcaaac aaatcttaaa aac 333

<210> 41617

<211> 480  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020a02d1

<400> 41617

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 aataccttac gattgttcca gtctaccaat catgtctctg atggaaataa ttcaactcca 120  
 agatcatctg gtttcagatg atagatatat atacacaatg aaatcccttg atctatggac 180  
 acaaacatca cacgatccaa atccaatgac aacaagacta tcactactac tgctgatact 240  
 caggggttaa tgctagagcc tctcggtata tcagttcttt catctgttcc tccgtcaaag 300  
 catgttggtc aaagtcaaag ttgaaggag tcatgcacac tggttcatca ctgatgtcat 360  
 gcagagatgt caagtacggg tgcgccagt catcttcaac agtaatcctt tttctaggat 420  
 caaaaagtaa cattttttca acaagatcta tagcttcagg atggacatgt ggaaactttt 480

<210> 41618  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020a05d1

<400> 41618

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 gacttcgaac catatatttg ccgttactcc aagtaataga tccaaacaga tcttccttca 120  
 aagaggtcaa agttgaggaa aaaataactt ggtagccaag ttttttacta ctcttagcaa 180  
 actgaagttt atctggagtc actgagactt ttactccact gggagcttcc acaacgggag 240  
 agtacgctga ttcatcttct tcaccaacgt ttgtaacagt tctactcacg ctacagggtg 300  
 ctttgccgga gaaagttact gctatggaag ggtagttgat gttggagatg agaacaaaac 360  
 ttgaatcctt aaggcatctg aaattagcag ggacagatct ggagaagact ttaaccgtgg 420  
 ttat 424

<210> 41619  
 <211> 479  
 <212> DNA



<213> Glycine max

<223> Clone ID: jC-gmro02910020a06d1

<400> 41619

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 tggcaataag gaaaagcata aattccccctg cagtgggggtt tcttaggcag gaaccctga 120  
 tcagccttca caggtgcagg ttatttactt gataaatgac aagtcagcta atttacgaga 180  
 aataggtcga aacagacagg gatcatagta gaaaaactaa agggatcat cagtcaacat 240  
 cattccctga ggcctcagat attctaacta catcacctag acacaagcct cttgtgtagg 300  
 tgactgctca gtttgcacgt tctctgagga cttcaagatc catctctgtt gggctctgtg 360  
 cctgaatctt ataatggatg cccttgcagc tccttttgaa cctgtccttg gatgttgcac 420  
 ataagaatct tcgggcgaaa tgcggggccac ttgaaggag cccatgcaat aaaaaaaga 479

<210> 41620

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a07d1

<400> 41620

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 gttagattca atcaatggca aacaagaatc caaaagcaat gaacaaattt tgtctgtaca 120  
 gaggagcaga aacaaaatcc gaacctaatc ccgatccac ctatatatat actaaaaaca 180  
 aacaaaaaaa aaacataaa atgaaaatta aattaactgg tgtgaattca tattcaccgt 240  
 accaacaat tcaatttcaa tcaaattaa ataaacattc tgtgaacaaa tctacgcctc 300  
 ttcattatct tccccgaaa acaaacggcg cctcttgcg gttaccggca acgggctttc 360  
 cacctcttgt tcaacgcaa ccttcttctt tccgaaatca aaccccgccg gcgaccagaa 420  
 ctccgtcagc ggagccggaa gggtcgggtc aaaccacgg aacgcg 466

<210> 41621

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a08d1

<400> 41621

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cacatgtact aattttaaaa tcagaataga gaaacggtac tatttttagtc actaacaact  120
atttcactgt ggaattccac agaataaatg tatgcattaa tagcatattc atcataaaat  180
caattacact taaaaaaaaa tcagttgagg ctttgaccag ctgattgata tgttttggtg  240
agatcaagtt gttaagtaag tggaaattgg aatgtcaaat ggagtaaaag ggtacctttc  300
ctcgagaagg taaacagcta acaaaatgag tcaaaatatt gctttatttt gtaaggaagt  360
ccctccttct ttttaccagt ctttttagcc attgccatta ttattattat tattattatc  420
tttctcctgt cttccaccac cacccttgaa ctaataatca tcctaataaa aactagttcc  480
cccagaattg ttctttggaa gcacactc                                     508
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<210> 41622

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a09d1

<400> 41622

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agactttaaa tcacagcatt ccaagataat ccaataccca acatttttta gaaagcctta  120
taacttttaa ctataaaagc tttgccc aaa tgaagttacc ctgcaggcaa atttttcatt  180
cacatttagc ttagttatct tcattggccc ccaaattatt ctttggcaca tctttggatt  240
aaccctggat ggcaacacca aggggagcag catccatagg tattatcttc tcaattttta  300
cacccttggg gtgctggttt tcataggctt aaatgtgccc tccaagggtt ggtttaccag  360
agggatcaag ggtgttaaac caagcaggat cccactcaac agctttggct gtgctacatg  420
caacacttgc tcctccagga acagtgagcc tagctgaa                                     458
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<210> 41623

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a10d1

<400> 41623

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ctcaagaaga tttattcaat gtaattccac taggaaggaa cctaatacgg ctacaacggt   180
ttaatttggc caaagcttcc tgtggcttac cgagcaagag atccacataa actgcagtaa   240
gagtggcttc tggactgtta ggtaataagg acaatgcctg cgcaaccagt atattggatt   300
tctcaaattc accctgcacg gccgacatta cagcaaaatt tgcataaatt gttgctcgtg   360
cctcctctgg cttgaggaaa acaatactct gagtgccttc aagagaagaa ttcttagcag   420
ctgtggatcc ttcattcacc ttcttaaaat cggcagtcct ctccggttgc catttctcac   480
agtcctttag gctgaaaggc aagtcaacat tggtttcccc agacaaaatg aatgacaagt   540
gc                                                                    542

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<210> 41624  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020b01d1

<400> 41624

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tttaaggggc cctgggactt attttgtaaa gctcaaaagg aaattgaaca aacaatggga  180
acccttgcaa gttggcgcta cctttaactg ttaacgcaaa agggaaaaaa aaaggggaac  240
gcgccgtaaa aatcttttta tttttaaatc tcctcctggg taagggatat taaaaggggg  300
gttaciaaac ttgcttccaa ggtaaaccct gcaattga                          338

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<210> 41625  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910020b03d1



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gccattcctg aagtagccaa attgacacca gggcacattc tccttcaga cccaaatggg 360  
aagagttgga aatgctggcc cctaagatca agaggccct 399

<210> 41628  
<211> 222  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020b11d1

<400> 41628

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tattatatat ttccaatctc aaagccttcc catatttcac ccatcataag ttttctatca 120  
gcctatatct catcaatggg atatcttcac tcttatagtt ttgctggata aatataactt 180  
gaaagtctaa ctctattctg tcacttccta attagacaaa tc 222

<210> 41629  
<211> 382  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020b12d1

<400> 41629

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agaacaacgc tgcaaaaaag agcggccac aaaacggcaa agacaccatc aaagaagggc 120  
aagcgctaaa acgctcccg ctcaccacga ggaaacctag aaacgagacc gcaagcacia 180  
ccaaagcaga gagagcacca agaacgccag cgcctctaca agcaatgcct taaagccgca 240  
accgctcaag gacatctcag ccaataccga gctgcgaccg caaggcggat cgcgagaaat 300  
tgggaccag cataaaagaa cgcgagcgag aaaactgcaa gatgaagcga aaagacgaca 360  
aaaataccga ttcggagaat cc 382

<210> 41630  
<211> 225  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020c05d1

<400> 41630

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 caataactac cagttcatac taacattaac agaacaccaa aacaaaactg gggagcctac 120  
 actacttgaa atcttacaaa aaaaataata aatttattga gtttaagcaa aacttgccac 180  
 cctacccatg attagcaaaa tgggtctttt tccctgggcc ctccg 225

<210> 41631

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020c08d1

<400> 41631

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 tcttccaaaa tcgcaaatta gatgtttgtg aattaattac atatgaaaaa taatgaagct 180  
 ataatctccc attatttctg aatcacagac ccatatccaa tctcagttca gcctgaaagt 240  
 taatctctga tcatcatgaa tgacagtatt tcaccacaaa atcccgggtga tgaaactcat 300  
 gtgcccctag atttttagaca aatctaagcg atagtcccag taattttacc cagatgacac 360  
 agctttaatg gcgctgccta ggggccatgc ttgccta 397

<210> 41632

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020c09d1

<400> 41632

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 ctatccggtt tataaaattg tctataatta attatagaat caagagatgc atctaattatt 120  
 tgcatacaacc tgcattactc ttttttgact cctcgctttg ccattccaaa tcaaatectc 180  
 aaagccgtgg aatcaaaacta atgtactatg atgatttttt atggctgggtt acttagtaag 240

tgtaaccagt ccaatatata gattataaac agcaataatc agggtagacc tctataccac 300  
 gtgccaatat actactatta aacacagcat atggctatct aatcaagcag attaacactc 360  
 gtattataca gccaccctaa tagctactat ttgatgatca tatagggtgta aattgagcgg 420  
 aagagttata ttttagtgat caaatgctga catctctgga ttttggaac ctggtcacaa 480  
 t 481

<210> 41633  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c10d1

<400> 41633

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 cgttggaagt taaggatctt aagaaaaatt aacatgtgaa tgaaaaatat tgcgttttga 180  
 tagtacataa gccctcatca gtcgtttcca tgaatgggat taaaactcta ttcgatgtca 240  
 tcaatccaat caccatatat cctactgatt ttatctggac ctttccactt ctgatgtgct 300  
 ctctgtcctg gcctctgaat caccatggaa gaaggccttt gtgaagggac tccaatatga 360  
 tacacatcag aatgagcgac aagagtaact gctgcaacca cattatcggc agaagctttt 420  
 gaaggcactt ccttatttgt gtcaccagca actg 454

<210> 41634  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c12a1

<400> 41634

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 gagcgatcac ttggtggtgt tcgttgaccg tctcgcgcgc cctgtccccg ttgatccggt 180  
 ggcgagacg gcgcaggtgc cttccgaacc atctccactt ccggccgccc tggatgccga 240

cgccgccggg agctccggca cctcaccgtc ggaggattgc gacggcgagg gcggcgacga 300  
 ggaggagccg ctgatccaga tggcagagtg ccgcattctgc caggaggagg atggcgtttc 360  
 caacttggag accccctgcg cctgtagcgg cagtcttaag tatgctcaca gaaagtgtgt 420  
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 acctgggtat actgcccccc ca 502

<210> 41635  
 <211> 582  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c12d1

<400> 41635

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 atgtacataa cgttacagct gcgaaagtaa agagtaaaaa tgcacggcat ttcaacaaag 180  
 ccttcttaat attcattcat acataaaaaa taaaaataaa aaagcataca aattattaga 240  
 cttgttcctg gggtagagtg ggtgatcctg gtgctattgc aaactgtaaa cctctacgtc 300  
 gccagattg tagaacgaaa gcaacttggg ttgctgctag tgctgcagcc tcttgtcttt 360  
 gtcgccgacg ctgcagaata ctgattgccc aagccatgat gtagcaaggt aatagaaatc 420  
 cagcggcacg aagcaagaaa agggagaaaa aattggatgg atcatcatca gaattatcac 480  
 catctgagac agaaagtga tgccccaaga gtaaaaaggc cattaaaatt aaagcagctg 540  
 aaccgcaaaa tgcagctcca ctggcgttgg aagcagcata ct 582

<210> 41636  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020d01d1

<400> 41636

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caaggcaciaa acacagaaaa acacatttta tatagataga aaatggggaa gatctctgtc 180  
aataggttta aggaagaggc catgatgata taaagttttt ctccatttgc actctccaat 240  
atgttcactt tttgagatga ggaaaacaag cttaaacatc agatttaggg tgtttggtt 300  
cagcatgttc cctacacttc acttgcatg tggtgcacat aaatgtttgc atgcacacct 360  
tgactggat cgacattgct ttcttggtt aatacagctg gcttcccttt gaggcgggct 420

<210> 41637  
<211> 523  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020d03d1

<400> 41637

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tgaagtttac tccaacacac ccaacgtaat actggaaagt attgttgccg gtctaacaag 180  
catgcaaaat gggtgaccaa taaattgcat atattaagaa gtgtacagtt ttgcaatact 240  
ttttacacac ggctatctat gaggtgcta aactccaatc tcagtaacaa aaagaaaggc 300  
cgagttgagt caacatttct tgatcgagt cactagccac tagccacaat ctcatggatt 360  
gtatcgctga caggttcac ctcggatctg acagaaagtt tcaatcgaac atcctttgga 420  
ccatcaagtc caaaagacaa ccgcacaaga accttcacat ttcctatgaa tacacccgac 480  
aacagcatgt gtgtgacctt gaattgggag ggactacctc agt 523

<210> 41638  
<211> 536  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020d05d1

<400> 41638

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aatgccacaa tggtagtggt gcaaaaaggc cttttctgaa agaaaaggaa aaactgcatt 180

aattttatta agcattttgc agagtataa catcataaaa gtgctttggt tcctaagatt 240  
 tcggaaatca gacaaactga tccaaatatt cagaaacagt ggtgtatttc acgtcaggat 300  
 aagcctcaga agcctcaagg tctttggcag ggtcaatctc atacactgca tctcccttta 360  
 tctgctgtga gtggtacaaa gccagcaggt aattatttgg gaaagaagtc tccttaattt 420  
 gcttaagaac ttgttctctt ggaacataaa ttttctcaag agtcttccct attttttttc 480  
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<210> 41639  
 <211> 409  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020d06d1  
 <400> 41639

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 gaaagacaag agggccagag ataatagagg atagtttttc acatatacag cccttcaggc 180  
 accccttctt tcttcttaaa catcacttta tccttggcct tcttaaagtc ggcatgagtc 240  
 accttcattc gacgttctcg tagagcaagt aaaccagctt tagtacatat tgcctttata 300  
 tcagctccgg agaattcgtc tttagtcata acaaattctt ccaagttgac atcatcagct 360  
 aatgtcatcc ttgacgtgtg tatctggaag atgcgtcttc ttgttttga 409

<210> 41640  
 <211> 375  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020d07d1  
 <400> 41640

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 atctcattct catggggctc aagatgcatg gactaattaa gcaacaatgt tggcttgata 180  
 ggcagtgtcc acaaataaat tgggtcccca taaaatggcc ttgctttcaa ggaaatggca 240

aacagggtta gttccaggaa caactcccat aagttgatga agcatttgat gattcattcc 300  
 aaaagtattt gagtggcaaa tagcaagtgc ctgagttttg gttccctcac cggccaccaa 360  
 tggaaccatg aaagc 375

<210> 41641  
 <211> 581  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020d09d1  
 <400> 41641

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 ttgaatctcc tctttccagg ggtaaatgat cctcaatctt cttcagaccc ttcattgtctg 180  
 ttgtttcaac tgttgtacca tgcagcacga tcttctgaac ttttgtgatc tctgaacctg 240  
 actgattggc ctcaataaaa attgtcaagc tacgaacatt ttggaatttg acataacttca 300  
 aaagtaccgg tttcccccta aggttttctt cagacaaatt tgccacatca cttgggggaa 360  
 aatcattgac attactaaat cccatgtgct ccttggttaga aaagagcttt actgtcttgg 420  
 ggccttcttt ttaggacctt tgataacaaa ggagtaaagt ttaacgactt gagtgatagg 480  
 aatttagagc aaaagctgct cgtctgcac actcttcaga tgcaaaccat cggcttctct 540  
 ataaccccg ttagatagcat tggggataga gtgggtggag c 581

<210> 41642  
 <211> 588  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910020d10d1  
 <400> 41642

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 atgggggttg taacacttta agtacttcac taatcctgct atttgagca aaaaaaagaa 180

aaaagaataa acaaaactca tcctagttag gcgagcgaga cttaaggaag gatgatcaac 240  
 aatctccatt ccaaatgcct gtgtagcctc caatggacta aacagaatac ttctggcatt 300  
 tttcatgctg ctttcttcat ttctttagt gtaggttagg tgaacagaga agagagagaa 360  
 gatgatgact tccgaattga atttcatgag ccatgcagca gagttgtctt tatcaaaact 420  
 tcaaagaacc tgagaaaaat cctattatat cacatcttcc actgtaaatt ccaacacttg 480  
 ggggtccaatt caacctgaaa ctctntatct ctccattcaa atacacagnc acgtgcttcc 540  
 acatgtctga taagtagctc aggtaacaga gatcttagtg aaagatgg 588

<210> 41643  
 <211> 552  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020d11d1  
 <400> 41643

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 gacccaatct gcactactgc agaatttgaa aatctaact aagagaaaca aaaacaatta 180  
 tgaaacaaac atttgattcc attgtggctt caacatgaac tggtagtca aaacttgaag 240  
 agcgactcca tcttccttgc aaatagtcct ccagagagac actctgctca gtgctactga 300  
 tagaaaccgt atcatcctcc aagtctagta aagcaagggt caagtgggac tgaatgtag 360  
 ttggaactgg ttcctcatca catccatcaa gttcctgtgg agcattaact tcttgatctg 420  
 cccatcttat cacctgctca tcaccatgcc gaagtttcaa tataagggtg atttgaggcc 480  
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 aagtgttgta tt 552

<210> 41644  
 <211> 533  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020d12d1  
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 caaaatatga attcgttaga aaaatgtagt agcttagaag tgtgcatgta ggaacaaaga 180  
 gacatgtaaa tctcattgtt ttttatacac acttctctcc aggagtcaat gcttctgatt 240  
 tgcatatggg gcagacattt ttcacaagta accatttctt taaacaatct gcgtgatatt 300  
 cgtgccca tgaagaatt ccaatctttt cttggctttt atattcatcc tggcatatta 360  
 tgcaagaatc attttctgt tcttcagaag ctgcctctc caagttaata gcattagtag 420  
 gtagtaataa ataagttttt gtcttcattt gacttgtaat catttctct gacaaacctg 480  
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<210> 41645  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020e01d1  
 <400> 41645

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 cttgttttcc cccccccaa aaaatttagg gaaagggggc tttggggggg cccccccccc 180  
 tttttcccc ttttttttt tccggaaaat aagggggcgg tcccccccc ccccccccc 240  
 ctgggggggtt tggctttttt ttcccccggt ttaaaaaag ggttttgga aagggtttac 300  
 cctaagcggg ggggccccgg gaaaaaagaa acccccggtg gtcaaaaaag gcccccttga 360  
 aggggggggc ccctgaaaaa aaagggccaa atcctgtggg tttttcccg ccttatttc 420  
 cccaaggag ggggcctttt tttt 444

<210> 41646  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020e02d1  
 <400> 41646

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 gtcaagccat ttaacaacgg atacaaagtt ggtatgatgc aaaacatgta gtgtacttca 180  
 aacatgcctc ctaaacaaaa tctaatatcc aagccaaaac ataatagctt aacgcttctt 240  
 agagacccca acagtctttc ccctgcggcc agtagtcttg gtgtgctgac cacggacacg 300  
 aaggccccag tagtgctca aaccacgggg gtttctgac ttcttttagtc tctctaagtc 360  
 atccctgagc ttcatatcaa gagcattaga cacaacctga gagtactttc catccttgta 420  
 atccttcttc ctgttcaaaa accaatccgg gatcttgaa 459

<210> 41647  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020e03d1  
 <400> 41647

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 tctattttac attagcagac atatgccatg cagaatctct attaaattaa agatgagatg 180  
 atgctttcat tcatttcacc agataattta aatgtgatga gtgtgcacaa tcattcttat 240  
 tggtgccatc actgaaacca aattcatgcc tccaa 275

<210> 41648  
 <211> 493  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910020e06d1  
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 aaggatacga cagccttaaa acatatatcg tcccttatta agttaattac taaaaatcat 180  
 tgatcaccca ctgagaacac gtcattggctc ctacatctg aacctttatg tgcattaatg 240

atgattcatg gtaaaagcga gtaactgttt tggacatcat caaactccat ccgtttctgg 300  
 tgacatagca tggatgccac atagatgatg ccctaggaac gcgtgtagtt ggaacaaatg 360  
 cctgagcaca gaaggctgga tcaatctgca gatggcggttt tctggcagaa cttgataaag 420  
 ggaacagctt aaacatatgg tacactctaa ttacacgac gcccttttaa agccggccca 480  
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<210> 41649  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020e11d1

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 cttttactag cagttttcca cggctctgctt atctagggaa aacaaaaaac actacgactg 180  
 aaatataact atccggaata taacttcgc tcaactctta tccgttttgc aaacttccta 240  
 gagttcatca tgtacacct cttccttgggt gtcttcccc gcttcctgtt ttgattcagc 300  
 atcggagtca ttgccagctt catcagcat ttcctcttcc tcatcagcat cagagtcaac 360  
 tgggtcatcc tttgattcct cctcttcct cttcttctca gcctcttcaa atgctgtctt 420  
 ctcaacatcc ttgtgcttgc cccatgtttc ttcagccagt tgcttggcat attcaggatc 480  
 atcagtaatt aagacattgt caaacaagt accagatttc acct 524

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020f10d1

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 gacattatac ctatgaatga tacattaata gtcatgaaac acgcaaatta ttcattccaca 180

cctatcaaga catccattga agggagtgat taacttcaca acaatcttaa tcttgaggct 240  
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gtccataat 309

<210> 41651  
<211> 436  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910020f12d1  
  
<400> 41651

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taggctccca actttaccag gcttgaggat tcaatgtatt ccttgataaa ttaagaattg 180  
aatataggat ctgcagcaca accactcaat agataacaag agcaacattg atgaatttac 240  
aggcaagggg tatgtccaaa taaagacgga cacattcccc caactggatg ttagtgattc 300  
atgttagtat tcatcaactt atgatgcatt ctgcatgagg gagtcaatct gagcacacga 360  
cttattaaaa ggctgttgca tcatcttcac ttcattccaaac tcttgagatt ggaatgtgat 420  
atcctgtgtc tgtaaa 436

<210> 41652  
<211> 463  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
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<400> 41652

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aatacaagca ggagtgagag ttagatttgc aaagttcccc aataaaaaaa cccatagttt 180  
caactaaaca aaccacatct taccaaagac agcaaaaaca agaaaaatgg agcaccatgc 240  
atgtaatgca attgccacaa agcttgcaag agcgtgacc tatttaaagc cagtgcccat 300  
ttcctttcgc ttcagttcta aagaaatccg ttcattttca agcttcattc tttcattttc 360



tagactcagc ttctccaact cccgatacctt tntcttacta aacctctgcc acttgaatct 420  
ctgttttctct agttccagca tctcgacctg aatttgtagc ttt 463

<210> 41653  
<211> 328  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020g03d1

<400> 41653

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ggccaccgat tcaacaggaa agaaaacaca aaggaaggaa aaccatacac agaagaagat 180  
tccggagaaa ttcaataata cacatttttt ttttttatta tttcattttt cccctctagt 240  
agtcagtgtc ggggaagctgc tctgtgggtgt ggctgatgaa gacaacctcg tagataaacc 300  
cagcaattcc accttcgatg agaggggc 328

<210> 41654  
<211> 496  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020g04d1

<400> 41654

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gtcattatgt atatttacat cagtgttctg actaagtcac tattttctaa gtctgggacc 180  
ataacaatct ccgtgttttc attttcttgt ctacttttg caccacgtg atcctttgga 240  
agcacattac agtcgatgat gtgccatact ggtctctcct cttgaaacaa tgggtgcttg 300  
catagtgatg gacattgcac tgtaagtgcā tacttgcaag tggaaatctc tgtgattgaa 360  
ctaalcattg gtctaggttc ggagcataca aacctcacct tggctctctg tggcttattt 420  
gtaagatcac atacggtgcc gttagtatat tgatgagcat gatacccttg agatgcatct 480  
tttgaccggg gatctt 496

<210> 41655  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910020g05a1

<400> 41655

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accaagaag ttcccaccgg agtcttctcc ataccactat ccttcaccac ctccaccacc  180
aaaatattac taccactctc caccaccacc tttttcttca ccaccaaga agccatatta  240
ttatcactct cctctccac cttcttccac tccacctaag aagccatatt actaccactc  300
gccaccacca ccttcaccaa agaagaagcc atactactat cactctccac caccaccttt  360
acctccttca ccaaagaaac catattacta ccattctcct tcaccacctt tacctttttc  420
accaaagaag ccatactact atcattcccc acccccacca tcaccttctt caccttacia  480
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<210> 41656  
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<223> unsure at all n locations

<223> Clone ID: jC-gmro02910020g05d1

<400> 41656

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cttagtaact actggttgag ttattattag tatcaatcac cctgccagct ccaaacaatg  180
tctttgaggg aaggcctcac ttgctcctca cagaacttaa catactcaa cgtatctccg  240
gcagacttag taaactccgc caccgccacc ttcggcgcca cctcgaaaac ctccaccgtc  300
atcgccagct tccccctcct cccctcctcc gtccccgca tctcaccac aaactccttc  360
ttccccgtca ccctaaagtt catgcttttc gccaccgct tcaccttcgc caacaccgnc  420

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cta 483

<210> 41657  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020g06d1

<400> 41657

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ccaaagaaga ggctcccttg tttgggaccc ggtttcctga ccatgccctt ggtgtttttc 180  
acccacata agcagaaagg gtgatactga acaacggggg tagtgatata ctttgctttg 240  
taggggcaat gagggaaaac gattggtggg tctggcgact 280

<210> 41658  
<211> 467  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910020g07d1

<400> 41658

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gagattacat agaatagaca agactacgaa gaaccctaac actgtttttt tttttcatca 180  
acaagcaaac aatgaaggcg agaggttact gtttgcaaag aatgctgtta taaacaggat 240  
aatatctatc caaatcaagt ttgtctaaga tatgttttagc ctaaagataa gaaaaatggc 300  
cccctgcaac ataatctgtc atgtcaacaa ttaggaggat cccaggaata ttgaatgggt 360  
gggttccagc taatcttaga gaaagtagac tcaacttctg aactctttgg tggatgctcc 420  
ccagatattt tttgaggatg atgatgtaca tctgcttgct ttaatgg 467

<210> 41659  
<211> 418  
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020g09d1

<400> 41659

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ctaacatttc gaataaagaa aaccactaaa aaggaaggaa tagcgagcgg aagttaattc 180  
ccccatgca cgggcaattc gaaccacact gtgatcaatg caatgtgaag aagaaagacc 240  
ggagagcctc cactagagcc aaccctaagc caaagatgat ttaagaggat atggtagact 300  
tatagtttaa gcttagtagg cacattgggg agcacctggg gctttacttg agcaaacatt 360  
gtgaagcaag ctgagtgaga tcggaaggtt gtggatgagg cccaaaatgg tcgctttg 418

<210> 41660

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020g11d1

<400> 41660

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aacgtgcaa agtaattgac tacaaaacac gactgtttca ttagatgtgt ctctttcgag 120  
taacacggaa ggttggcaaa aatctcgta cagaatattg aagacaaaaa tatgtaacaa 180  
gattttggca atctttcttt tcttcttcat tatctgtttg tgaactcaag tgactcaaat 240  
aagttttccc ctggtatata taggagagct gctgccataa aagaatgctc aaacctatct 300  
gcaacgacac acttgcaatg aataggataa gca 333

<210> 41661

<211> 469

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910021a11a1

<400> 41661

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accgggggtt tttttttacc cgccaaagga aagggggggc cccccaatgt gggaaaccaa 120  
 aaaaatgggg gctatagggg gggggggggc cccagggaaa actcctggga aaaagcggga 180  
 cccctttttt ttttagggaa aaaaacggga gcacccgaaa gagttgggtt tttttgtgta 240  
 ggaaaaaata aagccccccc ccccccgga aaaatttttag ggcccaaaaa aacccccccc 300  
 catggggaaa aaggg 315

<210> 41664  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910021c10a1

<400> 41664  
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 gcctttttta attttaaaaa aggacccccg ggaaaaaaa aaaccttttt tttcctcgcg 180  
 gggggaaaaa aaattcccc caaggcggtt ccccccgga aaaagaaaaa ttcggggggg 240  
 gaaaaacccc cgggggggcc aacaccctt ttttttttg ggggacccc ccccccccg 300  
 gggctttggg aaaa 314

<210> 41665  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910021d10a1

<400> 41665  
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 ccaagtgacc aagcgaagag aaatgcagcc tatacaataa tacaaaagca cgctccacac 180  
 agagaacacc ctaggcaaac ttcaaagttg ggaatcacia aatttcagaa ttgcaagctc 240  
 atgagattga ttacaccact tctgtcacac tgttctcttc agtggtcgga gtttccatat 300  
 tttctttgtc tccctttgga gtgatagcag taactttaac atcagatttc tttccctgcc 360



aaatatacct gcatgtctcc aagtgacttg ctacatattg ggcaggtata attaaagcag 360  
 gtatattcct gaaaacatgt tgagtgcatt acatgaccac atgggagggc ttttaccgga 420  
 gagcaggatg tgaagatata ttcattgacaa attggacagt tgtcctctaa atgtttctcc 480  
 ctgcatgtat gtgtcataag agaacgagac atacaagctt tgcaattata cagtgaagta 540  
 ggctacaccc aaaccctt 558

<210> 41668  
 <211> 544  
 <212> DNA  
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 <223> Clone ID: jC-gmro02910021g11a1  
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 acagtcgtcc accgtgcccg tgctcatgcc actgcagaat atgcatctaa aaatctcgca 180  
 tatagggttaa ttgcatagtg aggttgacgt gtgtataatt gcaacaaatt ttatctaaac 240  
 ttcagtcttg ccattgatgg ggacaagctc caaagtctct tcttcatcta ccttatcact 300  
 cgtgttcttt cctgaaacct caaaaggaag cagttcctca tattggatca gtcttaggga 360  
 caagaaaaac caaagcaagt gtagcaaacc taagcatgtc ccttataaga acagccaacc 420  
 aaaggtttgt aaagtcagtt cagttgatgt gaaggacacg aagaagcacc ccttcacccc 480  
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 aatg 544

<210> 41669  
 <211> 298  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910021h10a1  
 <400> 41669

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tcttaaaaaa aaaaaaaacc aggttttttt ttttcaaaaa aacggatcca ttttttactt 180  
 ttaaaaaaga cacctaattt gttggcccg gcaaaatcct tgcataaaaa aacacttttt 240  
 ttttcccacc cctttggttg gacacatgta attcctaagg ggggaacacg gttttttt 298

<210> 41670  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910021h11a1

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 accataaccc aacgattcct acctgactaa ccacaacaca gtaaaacaag acacacaact 180  
 gagcttagta actcaacctt gactcacaca cacaatgctt gtggatcatg aactacattg 240  
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<210> 41671  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022a02d1

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 aagacgctgg cagaagagaa ccagaagctg aaagagcttc tgcaaaagct tctggcgctc 240  
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 aggctggcac gcaagaagag accaaaggtg aggggtgcaca agccatccag gcatgcttcc 360  
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tgttgcttcc tgtgtccagc tattgtgcac tgtgtaggta tagccatgct gtggcactgt 480  
gcttcgtctt ggacaaccaa ggtgtggcat gttctgtatt ttatgtctgt ataatgcat 539

<210> 41672  
<211> 70  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910022a06a1

<400> 41672

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<210> 41673  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910022a06d1

<400> 41673

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aacaagcttt ataagctttt ccaatagtac tgtaatatta tgctgtctgt aaagagattt 180  
atgttcgcag agttgttttt agacgagttg ttttgattct ggatttaact tgtgttgtga 240  
atcataaagt tgctctgaaa tggagaatgt acctgttggg tg 282

<210> 41674  
<211> 446  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910022b01a1

<400> 41674

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ttcatgtggc aaataaatca gcgtctaccc ttaagattaa aatttaaagc atacccttta 180

tagaagggttt agtgaaaaaa gaatttactc aaaaaggaat ttactttctca tgactgtctt 240  
 caaaagaatc tatcttaatt atgacagggtt ggttttagatc tgctgatggg tcagatccaa 300  
 tttgtaaadc tggcgaggaa gttatcccat caatgtcttc attttcggcc aaggctttat 360  
 cttttgcagt cttgccaact tttgtgactc atatcatcat aaccaccgat atctcatgac 420  
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<210> 41675  
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 <212> DNA  
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<223> Clone ID: jC-gmro02910022b02d1

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 cgctgcacct caaggggctg gactacgaga acgtggagga ggacctcacc aacaagagcg 180  
 acctgctcct cgctccaac cccgtccaca agctcgttcc cgtcctcctc cacggcgaca 240  
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 gccaggccgt cctccccgcc gaccctatg aacgcgccgt cgctcgcttc tgggccaat 360  
 acgtcgacgg caagttgcac ggcacgatgg tgaaggcgct catggaggca acagaggagg 420  
 agaggcgac ggcgacagtg gacgcgctgg ccgctatgga cacgctggag ggcgcgttcg 480  
 ccgagtgtc cggcgggaaa aagttcttcg ccggcgacgc gcccggtac ctggacgtcg 540  
 cgctggga 548

<210> 41676  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022c02d1

<400> 41676  
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agaacttgaa tgctccttag ttatacctgc tcttaagcta atacagactg gtatgccttc 180  
 tgaactagaa tgtaccacat cgggctgcat gtgctgcgta tagtagcatg atcatgtgtt 240  
 agcactgtat ctatagatca tgtgacactg atacttagca aatagctatc cgacctgtga 300  
 atactataat gcgtcaaaga tagcacatgg attctgtttt ggttcactga ataaatttga 360  
 aggcttgtat gtcgtgggcg gcc 383

<210> 41677  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022c04d1

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 aagctcgccg tccccaggcc gacggcccg cccatccgca ggccccgcg agccgccgtg 180  
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 ttcttcgaga cgttcgcggc tccgttcacc aagagaggtc tgctgctcaa gttcctgctg 360  
 ctgggcggcg gctcattctt ggctacgct agcgccgtgg cgtcaccgga cttctcgccg 420  
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<210> 41678  
 <211> 590  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022d01d1

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 aagattccta ccagaggcct tatcggactt cggaatgcaa ttcttacagc ttctcgtagc 180

agagctatat tgaatacaat ctttgacagc tatggcccat gggctggaga tcttagctca 240  
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 aatgcacaag aaagaggtat gttgtttgtc caaccagggc aggatgttta caaagggtcaa 360  
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 gctacaaatg ttcgttccaa caaagaaact acagtgggtc ttgatgaacc ttttaagctac 480  
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<210> 41679  
 <211> 550  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910022d02d1  
 <400> 41679

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 aagatctatt cgttttacat ccgacgggca cttcttgtcg atggcagaag cagcagactt 180  
 tgtccacatc tttgacatca aaagtgacta caataagaga caggaattgg atttctttgg 240  
 cgaggtatcc ggtatgtcct tcagccccga cacggacaca ctttatgttg gaatctcgga 300  
 caggacatat ggcagcctgc ttcagtttgg ccgcctctac aactattcat acctcgactc 360  
 actactatga aggtcaaaga aaatatgtgt tttccctcgg cttataatca acccagatt'a 420  
 ggcacccaa atgaaattta atttagcctg gtattcctcg taaagaatcc tgtaccctgg 480  
 tgtatgtgta cataaaaaaa actgtatttt atagacacca gtagtctgct atcctgcttt 540  
 cagattaggt 550

<210> 41680  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910022d06d1  
 <400> 41680

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 gagtaccgcg actgaactgt tacagtggct gagtaccatc gtgtagaccg aaacaaaata 180  
 aagctccact ctctctctct ctgtctctgt gcgtgtgtgt gaactgatct ctgaatggaa 240  
 gaacaatgta ctctgttggc gcctttaatg gcaattgagg aaaattttga tcaaatttct 300  
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<210> 41681  
 <211> 573  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022e02d1

<400> 41681

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 gcgccgccgc cgcaggtggt gtcggtcatt gcgcggagga aggcgccgag gagcctgagc 180  
 accatcgccg aggacgacag ggagatgctg gcgccgtgcg ggtcaccgtc ggaccacggc 240  
 cacgtacata cacataacta gagcgagtag agataccgtc tcttactgtg tgtgtgtgtg 300  
 tgtgtttatc aactcctcga tgcattggcg aggcgcaggg gcaggtggcg gcgaggttca 360  
 cgacggaggt ggccgcccg caggtggtgt cggtcattgc acgaaggaag gggccgagga 420  
 gcctggacac catcgccgag gacgacaggg agcagcagct ggctgcggg tcgccatcgg 480  
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<210> 41682  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910022e05d1

<400> 41682

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gcccttcctc acgggtttcg ccatcaccgg attcatcacc acgaagatga cggccaactt 180  
caccgaggag gatctcaaga actctaagtt cgtccaggaa cacaagaaga agcactgacg 240  
aaccaggtga aggagtgtgc agaaacgcac gtttggccag ccagttctgt tatgcttttg 300  
aatgaaaaat ttagaccctt ctttctcggt tccttaatcg aaatgcttgc actctatggt 360  
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<210> 41683  
<211> 572  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910022e06d1

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cgccacgctg gagcacggca tgcacccgcc ggtctctccc aagcccaggt ggcgcaagct 180  
catggacgag atggcggtcg tggccacgga ggagtaccgc tccgtcgtcg tcaaggaggc 240  
gcgcttcgtc gactacttca gatcggctac accggagacc gactacggga ggatgaacat 300  
cggcagccgg ccagccaaga ggaggcccgg cggcggcatc acgaccctgc gcgccatccc 360  
ctggatcttc tcgtggaccc agaccagggt ccacctnccc gtgtggctgg gactcggcgc 420  
cgattcaag ttcgccatcg acaaggacgt caggaacttc caggtcctca agagatgtac 480  
cacgagtggc cattcttcag ggtcacctg gacctgctgg agatggtttt cgccaaggga 540  
gacccccgca ttgccggctt gtatgacgag ct 572

<210> 41684  
<211> 529  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910022f05d1

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 atatcaggca gagcaaagga agatttgcac cgtgggcaca gaagagcagc tagtgccagt 240  
 gctgatatag gctcatggag catgtcaatc cctaataaat gtgaaggaac tacagaacag 300  
 ttatctgatg gctcagacaa attgcctttg cgtaagatag tgaaaacatg tgctttgaca 360  
 agtaccttgc aatctaagac tagaacgaag tggaaaaatg gagctgttag gtgggcaggc 420  
 agtaaccaac aggatgttga agaggctatc cctctgaata cttctcagtt gagtcagggc 480  
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<210> 41685  
 <211> 355  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023a02a1  
 <400> 41685

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 ggccgagttg ccatatgcac acatgggcta atagcaaaaa tgcaaaatgt atgaagcata 180  
 ggaaagggaa aaagcgaatg atacacatct tatggatcaa aaaccaaagg gcgaagtctc 240  
 agtcttagat accataatca attatatccg gatcattttt gaaggcactg gagatgggtg 300  
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<210> 41686  
 <211> 548  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910023a06a1  
 <400> 41686

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gagcatcaca agccaagtga ccaaccacac aagggtt.cta ttattaacgt tttctcctct 180  
 aggagatatc acaaattaaa agttggtaaa cttcttttct ttcaagctat ccacagtctc 240  
 cttgaggctc acttccaaag gagtatattc aatccccaag ctctttgcct tttctttgga 300  
 tacctgatat attggcacat atgggttattc atctgcacac ttctctggaa gttgtaatgt 360  
 cgggtacaaa tcacgtaaaa tcttcacaat ttctgagtag tgtgccactc tctccaccaa 420  
 acaatacctt ccattagctg aagcattctc atatgctaga atatgggcat ttgcaacatc 480  
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 taaaattg 548

<210> 41687  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023a07a1  
 <400> 41687

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 atttttcact tcttttttta cccttataaa gaatgaaaca aacattaata ctccaataac 180  
 acccggttca caaacaaata caatacacia cacaatctag caatctagct acttctccat 240  
 gccctaaaac acaagcaaata cggttcttgat atcatatccc attttctcca aattaggctg 300  
 cactgcaaac tgaatcatgg gtggggggccc acatgtcaaa gccaaaggaat ccctcgacgc 360  
 ttttggaagg ggctccctcg ggatactctt tgtgatgaac cctacactgt atttccaccc 420  
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<210> 41688  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023a08a1  
 <400> 41688

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 cgcggggatgt tggaggcatg cttgagacag gaggattcat tcttcgcccc catgtcatac 180  
 tgttgggtgaa tgagttattc ctgggagaac gagggcccac actgctgaaa ccagaagaag 240  
 tagcctgaat cttaatttga ttccactcgg caccctgggg gggctctacca tgtgtgaatc 300  
 tttgaacaga ttggtgtcca aaacggcttg gagaattttg taaaatatga ggcatgagat 360  
 gaaaatgctt agacatagag ggtacatatg ttgtttgaag atcatgagtt ggaaggctac 420  
 ccatctcaac attagtaaatt gcttgacttg gtgcatttag tctttgcatg attattggag 480  
 tgcttgtgct tgaaacatga 500

<210> 41689  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a09a1

<400> 41689

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 ttccttttgc ccgtagaaga aaagaaagat taggaaatga agaagtgaga gtaaaagaaa 180  
 aaagataaga cgacacattg acaatgaagt attttctggg gatcaagaga gagctcccat 240  
 gcaaatgaag ccaagtccaa gaacaagtcc gaaaccacaa ttcaccccat tggcagcatt 300  
 agtatcctta ggagaatccg aaggagcaga accagcctta ccaacgctgg gaatctcagg 360  
 agtgccttta gaacccttag gagaaggagc cgcagaagaa gcacgagtct tgggtggttcc 420  
 gaagagttcc aacggcaaca gaacctgtc aacctggtac ac 462

<210> 41690  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a10a1

<400> 41690

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tgattttcaaa gggagaaatc ctagatttca acttataagc cttatttttg aacaaaatcc 120  
 taattaacag cgatgtagct gattgacaaa caaaacatgt agtccacacc acacacaatt 180  
 ttccccagag attctgagtc tcacatacat gaatctatct tgaagcagcg aggctttcat 240  
 agaagccttt aacaaacaca taattcttag aaatacttag tgtcacaccc catcatcaaa 300  
 tctattttga accaaaaagg ctttcgtgga cacccttgaa aaaggagaaa acaggatttc 360  
 taaggggcac acattatttg acaattggat ggttcaaaaa tacttg 406

<210> 41691  
 <211> 592  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a12a1

<400> 41691

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 aacggttttt gggacaatat cccatctaga aaatttatta aacaaaattt gcgcggggcca 180  
 ttactctaaa aaactcttga aactcagaac ggtttttatc atcgccatct aaaaaacaat 240  
 gataataaca ctgactcagc actgaaatta agcaccacca gaaccatact tcttgccgaa 300  
 cacaagaacc tgcaacttgt cgtaaccagc aagcacacca tcaccagcaa cggcacggag 360  
 gatgttagca ccggcacccct tgaacaagga cttggcgccc tcattcttga ggatctgtgt 420  
 gaatgcgtcc aaggaactct tgtacttgac agcttcacca gaggtcatca tcattcttct 480  
 tctaacagtg tcaattgggt atgatgcaag acctgcacca ttggtgatga gccatcctag 540  
 ggcaaagctt gcaaaaaagc tctctgcaa tgatcccggtg aggacactgg tt 592

<210> 41692  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b03a1

<400> 41692

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 acaaacacat ttaacacctt cttgtttttt tcccagctaa ggaatgaaaa ggttttaaact 180  
 ttacgagccc gggccccttg gtttggtcca tgctggacta ccttttcctc cacaggaagg 240  
 cccttacccc gggggactgg attaaaaaat ttttttgccg gttttggaaa aaccctaaaa 300  
 ccctttccaa acttttaaata ttccttttcc gtttttagga caaaaaaagg gtccccagga 360  
 agggcttccc aggggctaag gacaaaaagt gcacttgccg caccaaaaat ccacctttta 420  
 agctcatccg caaaaccaa gcttttaaaa acaggaaaat tccc 464

<210> 41693  
 <211> 571  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910023b04a1  
  
 <400> 41693

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 tagtgaacaa aaagaaaaag aaaacatgag aatttgatat taagcctggt acaagaatta 120  
 atcatcccag agctgatctt gtcattctcat atgccaagaa acatgctgca tttgcaggaa 180  
 cacttcgagc cattgcagga ccaaaaccct tatacaagcc tttgaaccct tctgtagctc 240  
 gaatctttct gaatgcatca aatgaaccag aaaattttgg gtttctgtga tcatctactt 300  
 gaatcacact cttaataaca tcagttgggt aaactaagaa ccagaaggaa gctccagcca 360  
 agcctccggc aacaatcaga gaacctctac ttagcccaga agtatcagt cctcctgcaa 420  
 acttttgctt taatgcttcg tatacaccaa acatgatagc atttccaggt atctcacgcc 480  
 ccatagtggg aaccaagccc ttgaaagacc tctcatgccc ncttctgact tgagaacatg 540  
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<210> 41694  
 <211> 480  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910023b05a1  
  
 <400> 41694

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 tttctgatct acccacatca gtaatcgtat accgaaaaac tcgctcttca aaattcaaatt 180  
 gatatcatct tgacatcaaa agatataagc cgcagattaa aacagcaaaa ttatctggta 240  
 aaaggaatcg cgctgacaag gtcataaagc ctttttctgg tgatccaaac ctctactcgt 300  
 tgaaggatgat attatgacaa ctttgctttg aatctgcagg gtttcatcaa tcacttccga 360  
 cagtcgacgc aaatttctcc caccgtgggt gaaataactca gggtcattgac ataactaag 420  
 tgcgtaacca tgtccaaata tacacgaaac tttatgtctt ctttttcttc cgcttcactt 480

<210> 41695  
 <211> 513  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023b06a1  
 <400> 41695

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 aagacttgaa tgaaagtccc tcttaagcaa aacagaaggc ttgatcagta aactaataag 180  
 atgggtgacat ggttttgccc gggacaagtt gcacatcaag cagttttggg agttctacat 240  
 caaaatattg ttactcttcc ctttgaaaaa attatacagt taaactaggg gtctcacttg 300  
 atgatgaaga ctccccaaga aactctgac tcaatttcat caacagtttt ccaagataat 360  
 ttaagccttc tccgtctcgg cctctacccc aaaacagatc atgtggtgaa gcctcaacta 420  
 gaacagaacc agcagtagat agcagcatag aattcaattg cgggtagatt gagaacttgc 480  
 atttcagtgc cctgtacatg acatcgatct tat 513

<210> 41696  
 <211> 519  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023b07a1  
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 cttgcaagtg gaacacagac aagactatgt gcccttgga cagtgaggcc ggctctctct 180  
 tccatgctaa ctttgggctc accacccttc aatatctgtc cttgtggacc cagcacttgc 240  
 aagtcgaagc actgaataag agatgcaaga agtggtgcca ttcccgaagt agccagattg 300  
 actccagggc acattctect cccagacca aatgggagaa gttgaaaatg ttgtccccta 360  
 agatcaagag gccctgcttc cccttcagcc cctgtctcta ggaacctctc aggacggaac 420  
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 aatgctccct ctgggatcac atatccatta atctcacac 519

<210> 41697  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b09a1

<400> 41697

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 aattaaaact gacaaggaag aaactactcc aattgaaaac taaaatccgc acccataaaa 180  
 ggttcacttg gcagcagcag caccattggg tggctttgaa ggaacttctt caaatggggt 240  
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 gtagggatca acagccccaa gcttctcctt gacttgcttg gagagttcaa tgtaacattt 360  
 ttggacagac gtgcactctt ttgaaagagt ggcacttttg aagaatggaa tgattttttc 420  
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<210> 41698  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b12a1

<400> 41698

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 gaattccac actaccacgc aggtgaaaat tattgcatac caataatttc aagaaccctt 180  
 attaactttt actttcaaag ggggtgggac aacaatatca tatgctaata aaaataatct 240  
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 atttcatggg gcccagactg gtcttgacca acacctagaa ggggaagata atactggtaa 360  
 tgggaaacga tattggtcat tgagtccaca ttacctgtc caciaacacc atccccatag 420  
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<210> 41699  
 <211> 499  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023c01a1  
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 atacaaggtt tacgaaagaa taatcaagac ctaagtggca ccacaagcac ccacctaatag 180  
 attacaccgc aggaaaatga ttctattcgg atgctgatca gccaaactcta tagctttcaa 240  
 tattaaaaca aaactaggcc aatgcacatc cgaataaaag ccacttcaag tgagattttc 300  
 tgacaagaat actcaatggc tccctttaga agacaccctt ccatgctatt ttctttatga 360  
 agacaattgg aacctgccac taggcttctt tcttctccat ccaaaggcag cataatatac 420  
 aaaagtcaat ccagccaatg caacgaatgc aatctgaaag acgttggtact tgtacaaata 480  
 tttaattcca cgaagagac 499

<210> 41700  
 <211> 493  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
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<400> 41700

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 tctcaacata ccaaagaaag gaaaacacaa aaacaagata gataaaagga tggtaaagag 180  
 taggaaatga aagttcctca accactagat ggtatttttg tagtatttgt ataaatagta 240  
 atttccttgg tccagctttc acactccatg attataactt agaagcattt cctgtgtacg 300  
 attgatggtc cagattcatc atactctgcc ttcgcaatcc acatctgttg gaagggtgctg 360  
 agggaagcca agatggagcc tccaatccag acactgtact tcctctctgg tgggtgctaca 420  
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 atgccaggga aca 493

<210> 41701

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910023c03a1

<400> 41701

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 atgggcctca taataaacta cgcctaacca gaaagaaaag aaagcccaat ataagccaag 180  
 gcaggctgga cacagtttat gtaatgggac aacaagactt cacacactaa gtcactgaac 240  
 ctaatttgat tcttcaactg ttaattcgta ttacagctg aaagtcaaag tactaaataa 300  
 ttttcctaatt gccaccttgc ggcagcatca actgaggggg ttatgtcact gtccgattgt 360  
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 tcggcagatt tatcaccaaa gtagtcattc tgatcatatg ctattagtga tgctgatga 540  
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<210> 41702

<211> 580

<212> DNA



<213> Glycine max

<223> Clone ID: jC-gmro02910023c06a1

<400> 41702

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cactccaatg cttgacaggt aaattttccc caaataaaaa aaaaatgcac tatttggtgt  180
catgccccac tttgggcaga gatgtgaggt gtcggccca gtggcactgc aagatccttc  240
aaaacctcat attcttccat acctatttga gaaccactca aaaccctgtg aaatgaagcc  300
ctcctatccg tcatgtatga gataagagca ggtaatctac atacggacaa tgcataata  360
aacaaaagag caaccacttg ccattgtttt gttctgaaag ctggaagtgc gtccacaaat  420
gacattgtct ccagcaagca tgccatccct tgctccatgg tagatactgg tattggcagc  480
cggagcacag caacaagtgt aggtaaagct cgagcaagac aactggctaa agtttgtttt  540
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<210> 41703

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910023c07a1

<400> 41703

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tacaaaacct ataataataa aaagtacaca tggcctccta catgtcggtg gcagcgtttt  180
atttccttga catatattaa agaaagaaaa gaatcttaat tgaaacaagt gtatagtagc  240
gacactccat aatccatgtg ggtgtttcat agagccaaaa aagccataat taaactgaag  300
aagaccatga agaattctac gtgcaatccg cttactccat tgctgtcttc atccgcagcc  360
ttctgatctt ccgaatcagc gtcgtcgtcg gatgggccgt ccgccggtgc atccgccgca  420
tggtgtttgg tcttgttctt gatcttcttc ttggcgggct ttggcgactg ggcaggtgca  480
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<210> 41704  
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 <213> Glycine max

<223> Clone ID: jC-gmro02910023c11a1

<400> 41704

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 ctgaaaaaac aaaattagaa aaaacaaagg caagaagaaa atcaattttt aaaagattcc 180  
 aagccacgaa acatgatact gctctagata ctagatagaa atcagaactc tagtttctat 240  
 tgcattgttaa acaatttttg gctctgcctt aagttgactc tacttctgcc ttttgtaa 300  
 tttagccaaa aaggacttca atacagcttg aactgctttg ataggatgag cttcaatgga 360  
 ggatacaagc ttgcgatagc tcccactatc gtactcctca aatacacctt gaagattaag 420  
 ctcatgttac agggccttta ctttagcaac attatctgga tctggcttac catagatctc 480  
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<400> 41705

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 atcagattag caactgtatt tttcattgga ttctgtgcac cggggatgtc acggcataaa 180  
 tatgtgggca ctctaattca cgttatctga taatgatctc agctacctat gcgggcaata 240  
 gaattgtcga gaggaattga agaggaagtt caaaaaggaa gccagaaacc ttgttcctgt 300  
 accatcatc actgagccat tgcattgcct gacaaagatc aatcaccttg tagacagtaa 360  
 agctgacgaa tgtttaccga agcatataac cagtccttga agtagacatg gagcgcagat 420

gacaatactc gtttgcgact ttcttctaaa gatgcttata gtaagagttg ccttatctcc 480  
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<210> 41706  
<211> 487  
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<213> Glycine max  
  
<223> Clone ID: jC-gmro02910023d02a1  
  
<400> 41706

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acatgcaatt cttttatata gcaactagaa tccaaggata cacaaaatcg agaaacaaac 180  
aaaatatgtg tatatattgt ctggatgtct ccagttgaat cttactgata aaacttgtca 240  
tactatatat attaatgcac aaaaactgag aactgaata gaatatgttt ttgattttga 300  
acagaatcat aaactcaaac acccttgga atctttatta tgcttcaatg aaaaccccc 360  
gctttggact aatgggggttt tttctgcatt agttttggct tctaagattt ttcattggccc 420  
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gtgaaca 487

<210> 41707  
<211> 536  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910023d06a1  
  
<400> 41707

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ctccatcct ctcagtgcc tcaatggcat gctcatcctg aaataactga atatacaata 180  
gaccagttgg ttcattctta cttgaatcac tatgttaaaa ctaggaaacc aactggataa 240  
aagataaaca aaccatataa aaaaaatttc ttaaaattcc ctttagatta agatttagtc 300  
attgcttgta gctagaattg ctgctgatct tgcttgaaag tgaagggttc tccttgaggg 360

tggtagctaa caagttttca gagttgcttg attggctctc agcaaccctt ggcctcatcc 420  
 aaattttaat gtgccccctc cggcaggcag tgagcacaga ttcttgggta aatatcaagc 480  
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<210> 41708  
 <211> 540  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d07a1

<400> 41708

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 atgagaaaaga gatttatctt ctcccacctt ttatatccca gctgaaagca taaacctaca 180  
 acacgacttc aagcaacctc aaaatctgag caaatcaaaa cttcccaaag ttggttgcca 240  
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 gaagaactgg catcagaagc ctttttctcc ttctgttttt ccctcttttt cttgtttcgt 420  
 aatgcattct tgctcagtgg ttctgcagga gtctctcaa acaactctgc ctgaatagca 480  
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<210> 41709  
 <211> 582  
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<223> Clone ID: jC-gmro02910023d09a1

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 tacattttta acataatgtc cgcgttgcaa tcttgtcaca cactccacat tcacaatggt 180  
 ctgaaataaa agaggtgtac gccagtttg agtgcaaact tgtggcatcc aaactaataa 240  
 tagtgactaa aaaaaaaaaa atagtttata tcactttata gcataatatc aatcatagca 300

gaacatgata tagacatgag ccacactaaa atgctttgca ttcctaggaa tgattttcag 360  
 tccgaacaag aaggctttga gcatcagggt tcttgcccca agctctctcc ttccataaca 420  
 gctccacttc atcaaagtgc aatcccttgg tttcaggaac atagacaacc acaaacataa 480  
 acgcaagcac ggctataata gcaataatta agaaagtagg gccagtgcct acagctgcag 540  
 caaccgacag aatgactgt accacaatga gatttgagac cc 582

<210> 41710  
 <211> 553  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d10a1

<400> 41710

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 tgggtgataa tgagtagcat gtatctctaa atctgctttt acagggaac cgaatacaat 180  
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 aaacaacact tcacgagcct agaaacgggc attgcttcct tgcattgctt ggaaccaatt 300  
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 gcgtcaaggc atcaaaagct gtgcaccgca agttagggga gtattgtagt agtcttgata 480  
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<210> 41711  
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<223> Clone ID: jC-gmro02910023d12a1

<400> 41711

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gggggggaaa aaaccccccc atctctgtta caccgaaaag gacaccgttc gcgacacacg 180  
 tggggccgaaa aaaagggacc atttgaaag ccccaaaaaa gagggggaga ggctgaacct 240  
 ctacaaggcg aaactacccc cccaaggaaa caaaaactct gtcgtttaag gccgccatgc 300  
 aggggagaac actgcttcgg ggaagcacca caacccaag gccccgggg ggggggggaa 360  
 acccccacct ttctacgggg cgggaaaagg gcccaaagg 399

<210> 41712  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e01a1

<400> 41712

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 atacattctt caaattcctt cactgatata gggctaatagc aactggactt tatttattta 180  
 ccgacaattt tcacaagaag aaatgaaggg actcttcatt ttggatactc ttcttattct 240  
 tagcaccaac caatggggca atgaccttc tccaagtctt ggagtcaaca gcagctccag 300  
 tttcaggcaa caagaatcca ttgacataga aaaatggggg tccatacacc cctctcgaag 360  
 cagcatactt aaaagaaact ctgggctgaa tatcaaattg tgggtcattg aagccattct 420  
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<210> 41713  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e03a1

<400> 41713

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 acaacaatgg cacaaatcct ttgcaactat gtttgcaatg aatgatgatg atatttttgt 180  
 attctaaatc aatgcaaact tgggtctcct ttccttctct tctggcatca gattcatcta 240

ctctcttaca agaaacaaat tgttgagtct atcttgaatg tcaaacattc cataactcaat 300  
 gtgctcataa gcttggttac caagaaaatc ctgcaacctc ccaatgaagt ttccatatgc 360  
 tggcaacaag atcttttcta tggattctat cattattctc cttagctcct tagtgaagac 420  
 aaaccacgca gactgaacgt tgcataatc atcgaagtgt ccgttgaagg aacgaagctt 480  
 gtttttcatt aactgtgccg caacattagg ctctgactca ttgatgtcca gcttcaaaat 540  
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<210> 41714  
 <211> 521  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023e04a1  
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 accgttggat cgtcgtcgtc atcatcacat agcaaaatac caaagcaaac ggtggagcca 180  
 acacatgcgt ttccagcttc aatgtttctt tctttcttac tttggcctag ctaagctaac 240  
 ttgatcaata atcgtatgtg tgtggtcgca caggcacact catggacctt gagtctcgtg 300  
 ctaccgtgca aatgcgaatg ggcggcgcgc gtggatttta tgtgacatgg ttttaaatta 360  
 cgatttgtgt cgcatggtga gtcagaaaaat cttaagagca attgcggatc gtaatttaaa 420  
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<210> 41715  
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taaggaaccc tatgcaatat tcatccaaaa attagcctag cccatccaca actttaacac 180  
 ttatttctta ccaccagggg gtaccttttt ttcatctggg ctccaatcga cagaaaaaac 240  
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<210> 41716  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e06a1

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 agcacatatg catagagcct ctgcatctct gaggggttga tcaagggtga tgtgaccact 240  
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 acgatatcgt ttcaagattg ccacacatac atacaggtgc agatgctcag acggataatg 360  
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 aatcaaaatc cagcggaaac aaaagaaata attcaagcag tcacgctgct taaaatagtt 480  
 atgcaatgga ctatccagca actccaccaa ctttgatagt gcaaaaagtg agagtgcatt 540  
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 <213> Glycine max

<223> Clone ID: jC-gmro02910023e07a1

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gaacaaaaaa aaaatggggg ggaaaaactt tgggatttaa ccccttccc cccttatggt 240  
 tacataaaaa aactgggggg gcggatcccc caataaattt ttcctttttc aaaagggttaa 300  
 aagcaccttc caaaaaagga gcagggggtt tttttaaaag gcccccaatt ttgggggggac 360  
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<210> 41718  
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 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910023e09a1

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 ccacctgcac catctggggg ttctcctgat ttttgaaaca caaaattgat gattgggttg 240  
 caaacggttt caacctcttt taggtttttt ataaaatctt ttttctccac actctgggtg 300  
 tgatccagcc attccaaggg gttttttact gggggctaaa atttttcc 348

<210> 41719  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e12a1

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cacatatcat acacgggttaa gcctgcaata gagactgctg tcattgcttc catctcaacc 420  
 ccggttttac cggttgatgc agcttcccct tctattgtta cactgaagtc ctcatgattc 480  
 aatctcaagt ccacttgac gtgtgaaagg cttatattat ggcacaacgg aataa 535

<210> 41720  
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 <212> DNA  
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<400> 41720

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 aaacaacaga agtagacaat aacactcgaa gttgagataa aagcatttat agtactgtcc 420  
 aattccacaa gactccctat tactaatatg agaagtgata ctatcaagac ggggattgta 480  
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<210> 41721  
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 <212> DNA  
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<223> Clone ID: jC-gmro02910023f02a1

<400> 41721

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 cacaaggcaa gcttattcac cgtggccaca caccacacac atcacgtttt tgaaccaaac 180  
 gaaagatcca aacctagtta gctaatacaag aaagccactg gtacacatta ataaataaat 240

aaataaaaat gtagccaacc agctagttac aaacctcacg ggctatgcca accttattat 300  
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 ccgagttcac attgtcgggt gccgccgcca ttgcaagaca cgccagcgaa cccgcgctgc 420  
 tgtggatcaa gctgttttcc aacggcagtt tcaggtccaa cccctcgaag tgcagcgtaa 480  
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 <212> DNA  
 <213> Glycine max  
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 cacaaccttt gtaagttgca ccaccattga aagttaaaac ccttgtcaca atctggttgt 180  
 ggatataaga ctatccggac actaaccgaa agaaaaagtt tgtggatatt ccaaaattgc 240  
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 aagttatcca aacttttctt gtttcatcac gcttgaggag accggctaca cacttgcgct 360  
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 aaaacacata tcaacgttta ttacacaatc cattcagaaa aacaaaaaag aacaccctga 180  
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acgccataga agatcttttc ttatttgcaa caaagcactt atcacgaatc tcccctttcc 300  
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 taaaaaacag tttctggtct gaagcgaact ggttcacgat ttccttggtt ttggggctgc 420  
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<210> 41724  
 <211> 471  
 <212> DNA  
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<210> 41725  
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 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023f09a1  
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aaaatTTTcc aagatgaaaa gtgtcttaca cagcgactgg gacggcttca tcaagagcaa 240  
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 tgtggctcat gacactagca actcctactt tctccacagc tgcaacagaa tctcctcctc 360  
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<210> 41726  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023g02a1  
 <400> 41726

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 cacacacttt ccaacgttga attccagccg ttgtgtgtca aaaaccccc aattgctgga 420  
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 ttacaagcaa aaactagaaa caagaaaga gggaaagaaa aaagaagcaa caaagccatg 180  
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 atactctaca gcagagaaga gttactgaga agtgaactag tcttctaact tttgctttag 360  
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 cataaataat gaagacattg acacttcctt ctgaggcatt gagattgacg acaagcaact 480  
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 <213> Glycine max  
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 gttttattat ttttttttgg gggtgccaca acaaacacct ccaattccca aggggggggg 180  
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 ctacaaaatg ggtttcttaa caagacaccc tccgaggctg gtaactttac ctggggggtg 300  
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<210> 41729  
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 <223> Clone ID: jC-gmro02910023g07a1  
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gggatagtag aagcagttca aaatgaataa aatctttaaa taaataaata aacgaactat 360  
gtcagaataa ccaagaagca ttgtcatggc agcagccctt gctgctcatg ctaccatttg 420  
cttctgctct atatacagct gctccacca tggtgaaagc agcatctctt tactgaagaa 480  
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<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
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tccctaaaat tatggcattc atgcattcac ttgataaata actaataatc aaaaacatga 180  
aactcgaatc aatgtaatat tcattcagtg atcgatattc ccattcccat tcacatgatt 240  
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ccctttctct ccatcatcca tcaacctctt cagggcactc tctatactct cccactcac 420  
cacctgcttc ttcccctcgt acggcaaaat gctccacttc gncgncccca ccttcacccc 480  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910023g12a1  
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 ctattgtcat tcaactcaag atcgggttttg cagttctctc tcaaattttt aagtgtctca 240  
 aagcttggtt caagttggct actttcttga gtatacatat tctgcatttg aagaaagaga 300  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023h01a1

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 tagttttgct tccaagagtc ttaagctctc tttgtcacta tcaccattat cactattatt 180  
 gccaaacctg tgaaggttcc tcccatgcta attttactat ccatgaaact tgcttttagtg 240  
 ttcccatcga catcaccaga catcttctct ttcatagcat caggtgggtg gaatatgttc 300  
 tgaaggaaac cagacacctt acttaccaat tcaataacgg ttagctttac attctgtaga 360  
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tcaggggatt caactgtttc agaagtacaa cttgagaact tatccaattc ctcagtattt 480  
 cctgctgctc caagatcagc cactgactgt tgtgattgga agaaactact tgacagcagg 540  
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 <400> 41736

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 acaagcaatt cttttataca gcaactagaa tccaaggata cacaaaatag agaaacaaac 180  
 aaaatatgtg tatatatattgt ctggatgtct ccagttgaat tctactgata aaacttgtca 240  
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 acagaatcat aaactcaaac acccttggaa atctttatat gcttcaatga ataccccccg 360  
 ctttggtcta atgggggtttt ttctgcatta gttttggctc ctagattttt ccatggcctt 420  
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 gaacatctcc caaggaacat caccacaag 510

<210> 41737  
 <211> 556  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023h07a1  
 <400> 41737

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 ttaagacagc tagattgaga gccttatcta tttatatacc attgcctgga taaactacaa 180  
 agcaagcaaa attttcattt tatgatgact agtataataa tattatatgc tggttctagg 240  
 gcaactacta gtccttgcta tggctcatat aagctttata tggcaactcc tagtggagaa 300

acttccatct tgggtatgat cttcttttgggt tctacagctt tgacctgggt tccataagcc 360  
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 ttccactcaa cagctttttgc tgtgctacat gcaacatttg gttcttcagg aacagtgagc 480  
 cttgctgagt ttacaaaacc aaattaaggg gcacagagat ctggatcagc ccttgggtaca 540  
 tcgacatgaa tattttt 556

<210> 41738  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910023h08a1  
 <400> 41738

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 tttgacaatg aaagggggga acttagcttc aaccaagcac acaagaattt tgttttggag 180  
 ggaggggatt aataagatcg acaccacatt tacatatagc ctgtgtgaaa taataaaggc 240  
 atggggaacg gcttgcaaaa ctatgtttgc tagctacaaa taggactcaa ttatggtaag 300  
 cgaggatgga gcgaacagct ctatgctgga agaccacagt gagttcaaat gggataccta 360  
 tgcttgctg agacacagct acaaggaatg cctatgacca aactataata agctgattgt 420  
 gccacatgcc atctttcttg ttatccatca ccagatatgc actagccttc tagtgaagaa 480  
 cacttagcca gagttactat ga 502

<210> 41739  
 <211> 377  
 <212> DNA  
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 cccacaaaac cacttggtgt gtggaagctc cccccctt agggaaaaaa atgaccgcgg 180

cccaaaaaa tggggggccaa aaaaaaatat ttaaaacccc cccccccccc ctctgttctt 240  
gacacacgag ccgcaggggc ggggatgaat ctcgcttaaa aaaggggggg ggagtaaaaa 300  
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aaaaaaaagt tttcccc 377

<210> 41740  
<211> 450  
<212> DNA  
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<223> Clone ID: jC-gmro02910023h12a1

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caaggagagg aagtcgtatt cccgccgcca gtgccccaaa aaaaaaagcg gggtttgcca 180  
caaaaaaaaa caatggggga caaaaaaaaa aaaagcgaag cccgcccggg gggatgcccc 240  
ggccacccta caaagagcaa aaggcccagg ccaccctgtg ggacaaatac tgaaccccc 300  
cccttattat ggcggaacccc ctcccaggat attatgcccc cccccacgcc cagggtgca 360  
cacagaattc aatggggggg gcggggggccc aacttccgac atgctcaacc aaaaaaacc 420  
cccagagggg ggggagagaa ggaatttctt 450

<210> 41741  
<211> 539  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910024a01d1

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caaatgtttt gggaacacat tcaacattac acaacgagct taaaaccccc cacggagacg 180  
gaggacaagg tgaagggttg attccttctg gatgtttag tcagcgaggg tccttccatc 240  
ctcgagctgc ttgccagcaa aaatcagcct ctgctgggtc ggtgggatgc ctctctgtc 300



acaagttcca ccacacttcc ttcattatac ttctgaagg cccatctgag tgtaaccgc 300  
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 tccaaataac caactgttcc cttcactttg gttgaaatgt gtgtctgatc agtgttcact 480  
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<210> 41744  
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 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024a05d1  
 <400> 41744

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 acagatggcg tccttggttt ttaatttttaa gttgggggac tccagataag ccgttttcga 180  
 taatcattct tcagtatatt cctggaatga ttctgtaagg caccttgctg caatatagtt 240  
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<210> 41745  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024a08d1  
 <400> 41745

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 acttaagcaa ccatagggtc cttagataga gatactgttg ggaattcttc tgaaagtcaa 240  
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ccgaaaaaac gttggggagg ctgctggagc caatattggt gttttggatc ttgtaagagc 300  
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 ggtccagcag ctgctgctgc tgcaccaaatt ccttcaaccg ccattgtaat gccgttcatt 420  
 gccctccat cttctcctgc atcttttctt caatctgac caccatctgg tattcaatca 480  
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<210> 41748  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024a10d1  
 <400> 41748

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 cattcctatt gaaaatgac ctatgtagac cagtatgcca aatactgcaa gtgctgggac 360  
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<210> 41749  
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 <212> DNA  
 <213> Glycine max  
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 tattgggttct aaacataccc aacacaacat aaattaagga taataaaaaa cagttttcac 240



ttcctgcaaa cgattcccaa ccatttgaa aacttggtgc aatcaagggt gccatattcc 300  
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<210> 41750  
 <211> 472  
 <212> DNA  
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<223> Clone ID: jC-gmro02910024a12d1

<400> 41750

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 cattgatatc ttctgatact tccaaaatgg tgaacttttg tagagggaca cctgaggccg 420  
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<210> 41751  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024b01d1

<400> 41751

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 caaccaggcc attggacatc cgggggagaa agtgttttaa gaaccggatt cctctcgaag 240  
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 aaagcgccac gtatttgtgg ataatcgtca tctgtgagaa gaggatgagc tgggattgct 540  
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 <400> 41752

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 ttgtttaagc acttaactaa tactgattta tcctcttcaa aaccttgaga actctcacta 240  
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 ccattttctc ctttgttttt ccatcaaaca gcaactcatc caaactcatc atcacttctt 360  
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 gctccccaag aacatcacaa tagccagatg agtcttcatt tgggtgtgaag caattggaat 480  
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<210> 41753  
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 <212> DNA  
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 <400> 41753

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cagaaaagaa atcagatcta ctaaataaca aggtaacatt tttcttcaat aaaaactgga 180  
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<212> DNA  
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<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910024b07d1  
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<210> 41755  
<211> 521  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910024b08d1  
<400> 41755

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cttaactgcc ttgcttacct caatgttcaa gaacaatata gagtaaatat tcgcagacat 180  
tgaactaggt gaccaattcc attattgcct caaaactttt tcagacgaac taactcacct 240  
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taagagaggc gaggctcagt cacaaactga ttccgcttct tgagggtgat ttcagatata 360  
tgattaataa aagcttttaa ttcttcagtt actccactga atgggaaaaa agagctttcg 420  
atttgtccat cggaaccata aaatgaaacc aggttaccat gttgagcttg gaatccacgc 480  
tcaacttgta gggttccaat taagccaaca acttgccaca a 521

<210> 41756  
<211> 466  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910024b12d1

<400> 41756

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agtacaacca aagaaacgaa aggggggggga gacagggttag agtgagaaac attacataac 120  
agtttccaaa cgcaaactaa tttcatctac tacgacggag gacaaaatct gatcaaagga 180  
gctcagcaac atttgaaggc agctcctcaa cttgcacgtt gtaaaacttt tggatgtcaa 240  
acagcatttt ctgctcatcc tttgtgacaa aattgatcgc aacacctttc cttccgaacc 300  
tcccactacg accaatacgg gggagatagt ttcaggctg tgtagggaga tcaaagttta 360  
taactagaga cacttgttgc acatcaatac cagcagccaa aagatcagtg gttattaaga 420  
cacgggaaga ccagaaacgg aattcacgca taataatgtc cctggt 466

<210> 41757  
<211> 546  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910024c02d1

09531113-032200

<400> 41757

gggatcatat tatagattaa aaattcaaga agtaaataatc acatatttagc atataatata 60  
aggagcaagg ctcagttaaa taattaaaaa aaatagtgtc tctcatagtg atagatagat 120  
aatatacaat ggaaacccat caagtttcac ccattagta gctatatatt atcaaattatt 180  
caccactcaa aaggaaccaa attccctaac cttttttcat tcttttttct taggagtagg 240  
aacagaacaa aaacaaagag gctaaagtgg gggtttgctt ctggatgatt ccaagcgatg 300  
aaattacaag aacacccctt ctacagtgtg gcaaaatctc atccacatat aaaaacaaac 360  
cggcccaaaa gtgtgttttt ttttttttta cttccaagaa ctgtaccact tgttattaga 420  
ccctcaacag cactagcaaa aggggtgagaa caagggacac tagcaacatg ctcggtgtctt 480  
gcaaataaac cactcctttg tttgagtcac tgaagcctcc tncgtgtcca gttgaagatg 540  
ttgggc 546

<210> 41758

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024c05d1

<400> 41758

gcacaacagt aaattttatt tcaagctcaa tcgttcagaa tccttgggaa agatggcaaa 60  
aatcttaaat atacttataa catttaataa ccgacatgta ttcattgagca tggcgaaagg 120  
tacaaggtg aggaataagg cgagccagga tcaatgatga ttcattttg acccatttgc 180  
aattcatggg ggaggtgacc ggcgcctcct gacacggata ggtcaattgt tatagccttt 240  
atctgaagat tcggttagat catcaga 267

<210> 41759

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910024c07d1

<400> 41759

ctaattgcaa tttacaaaat attcgatata cgatcttcaa atatgttttc ttaaaaccga 60

002220.03200

tttaacaaaa cagaaataga agacaaaaag aaaagaatac atcttttttt tttcttttgt 120  
tactaagtat gttgatctag aacatgaaat ccaaaactta tgatagccaa ttcacaagac 180  
aaaatgccat ctatttatgc atttgtcttt tgcattacat ttggtgtcga ttgatacttc 240  
aattggtatc caatgcatgg tgagggatgt cacgttcaaa attttattcc cttggggcta 300  
tattgcctat cctttttaca ggacaaatct gtacaagtgt gagaaaatca cctcagctgt 360  
ctgagtctat gtcacgaaat ggtagtggaa ctgccttcac tgcccataa cgaccacgt 420  
tgtttagatg ctcatctccc aatctgtaga aattccaatg tctcgtcga ataacctcta 480  
gtgaagccaa canaaagtct agtagccttg gttggacagg cccacttga ggtgcacgat 540  
agtctccacc 550

<210> 41760  
<211> 544  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910024c08d1  
  
<400> 41760

atcagtgagt gaccaagtcg attttttctt tagtattaca tcaatagata ttcaagtctt 60  
aacatcatcg tcagatcata atattgttac aaattccaat gcccttcagt atgtaaattt 120  
acatatacca gagattacat ttaccactgc ccattacact atgaggtaat acatatatat 180  
aattcaacgc agattgagat cctaccacat cacgttattc acgagcagtt tgtgtcataa 240  
ctcacaagtc ccaacaactc tggaccttcc aaacgaggat tattctcaaa gttattcaat 300  
ggaatatgct cgaatggccc ggaggtagga attgtaccac ataaatcatt attggagaca 360  
tccactactt taaggcttga aacagcagca agttccttgg ggatcgggcc agatagtcgg 420  
ttgtcattga gtcgtaaaaa gacaagattc ttcaatttcc ccaatgaagg tgggatggtg 480  
cctgatatgt tgttgttgta caagtgcaag ctaactagac tcttcaggtt tccaagttct 540  
ggag 544

<210> 41761  
<211> 567  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910024c09d1

<400> 41761

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ctcatattcg agtgtatggc atttcattga ttttccagga aaaaaataa ctaattaact   60
tcaaaagtaa aactatccac ttcattccaa ctcttcaat tccattttcc gaagaggaat   120
tccataatgg aaacttggga gggaggagga taccaaaaca ctcatgatct tggtcgaact   180
aacaaaatac ccattatagg aaaacatgta taaccatcac agattttctca tattacaagc   240
tagttagtgt agcataaact tcaagtttcc tgtgcaaaaa ccatagcacc acgaagttca   300
actagtgcc a ctgcttcatt aatcgcatcc atcacttctg gctttcccc actcactgct   360
tcatccattg gagtcctctc gtgactgttt aagacactaa cattagctcc agccatgatt   420
aatttcttca cagccttcac atgcccattg agacatgccc aatgaagagg tgtattcttt   480
tcctcatttg gtgaattaag atccaccct ctactgatta aatactccac aatatcaata   540
tgtccattag ctgcagccat atgaaga                                     567
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<210> 41762

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024c10d1

<400> 41762

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ggctattaat tccacacttt ccaaataaat tctttgaagt gaacagaaga gttcaaagag   60
ctaaacacta caaatatacg catttacttt aacaaatgag tgaacgataa acattatcac   120
cctaacgagt aaacatagga aacttcaaac ttaactacag ttagtgagg aagaataata   180
taatatcatg tatgtatgcg acaaactagg caagaaatgt ttattcatca tatcagcacc   240
ataatccatc ggtcaaacct tggacgtaat tctgaacgag taatccagga aaagataaaa   300
aaagaacaaa atcagcagct ccatcaaaag cttcactttt ttatcactca tctactctat   360
tgggggggaa tggaaccacc agcagccttg atttggtgct gcagactgaa taagtactgt   420
agagcgttct tcagtagaga gtactcctgt tgcaactgtg atagacatct catacatcct   480
tcctggttct tagcctcaca aaaagctctg aagggtggcg acacattttt aactctagca   540
gcaccaatac                                     550
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<210> 41763  
 <211> 536  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024c11d1

<400> 41763

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 ggtcataaca acgtcataaa ccttagcact gctatcttgt tatgcttcta tatatgtaag 120  
 atttcaagcc atgagaggaa aaggaggga aaaaaacaaa gggtagatgt aactagaatg 180  
 gccgcagggt atctttttac tgtagcaagt agggatttaa catggtggga tatgctacta 240  
 tgtgagcatg accccacaa cccgacgata atacagctcc atgaaagtcc tgtacgcatg 300  
 cacatgggtc atctatccat gttaaataga gggccgcagt aaaatctatc caagctcagc 360  
 gggtgcttca cactgatgat caatgacgaa gtgaacgggg ataatacaaaa gggacagggg 420  
 aaatggcgtc ttccaagaga tccgggcgca tgtaacaaaa tttacgcatg acttgattgt 480  
 cggaacaaatt cacagccctt tgcattccgg tccagcaatc attagcggaa tacatg 536

<210> 41764  
 <211> 572  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024d01d1

<400> 41764

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 agcctaacaa aaataggaga gagagagaga gagatttctt gatcaatatt aacaataacg 120  
 cgatgtagca tacacatcta tatcatatct acttagacca tgcaactgca tcgatctcag 180  
 cttgtgcact ccggtataac tcaagtctct ttgatagggc acttcgtctt tccatgattg 240  
 caggatcctc attcagaaat gaggacagac gcttgggctc aattttgcct agctcggatg 300  
 aaaactgatc aagtaggcct cgtttggtt ccctcacttg acaatagaca attgacttgg 360  
 gaattgaatg acgcagactt gcacagacca tattgacata agacagaaça ttggttcctg 420  
 tttatacata cacatcacta ctggttagtag ttttaattcat tttcaacata ttgacaatgt 480



095413.03200

acaggctaag gttaaactat tagggaaagc atgatatctc agtccaagtt agaaaatgaa 540  
ttttggaaaa cttaccagta cttctaagat at 572

<210> 41765  
<211> 544  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910024d02d1  
  
<400> 41765

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tccaagcttg gaaaatacgt cggttcaagg aaaatctgag tcaacgagtc agccgagtcg 120  
caactcaacc caactcgggt accgtagcc tctgaacttc ccatcaccac cgccaacacc 180  
tgcttatacg cgtagaagaa tctcttcac gccgcctcaa tcgcctgcat cgcttgcaac 240  
aagtgaacct tctcgaactc gctcttcgaa acgtagagct tcacgcccgc ctcttgaaac 300  
ctcggtcctc ccttcggatc cacctccacc tccaatatct ccggcacctt gtgcctcaga 360  
tctctgcaca tcttcgtcag ttccactaac tcattcgatc tgaagcagaa cgatgccgtt 420  
tcgccgctcg aggatttcac cgagagttga ttctttagcc tcaagaaatc gtcgggatcc 480  
atcatcaggt ggaggtcctc caccttcgag agaagcttcc agatcctctc cacggcgtag 540  
cagt 544

<210> 41766  
<211> 610  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910024d03d1  
  
<400> 41766

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tctaaataaa ttagaagtc cctatgcgaa gggaaactat catacaaaa atctggttgt 120  
atcaactatt accatgctat aagcaaagcc cttgcacgga cctaactttt gctgtagttg 180  
ctacttgga ttgctcacia gacagcacca caaatctctg tcttcttcac atcaccacat 240

tattttctcaa ctttatcaca tcaaccttca actgtgttgg ggacgaagaa tctgatcaac 300  
 aagctttctct ggaagctttt tagtagcctg gaagttcctc atgtgcaata taggttcaca 360  
 tccaacatct gccactgac tgccattcgg tgtttgcaac ttaaactcgt ctgccttgta 420  
 tgcagaaagg atattttctt catcgggtag gtgattgcta actttcagga gtgagccaag 480  
 agaattcatc ttcattgatg gacaagatgc acagccacca tgaattgaac agccctnccc 540  
 gtagctattc ctgtacacag gaagtatgat atcaccact ttgcagtctg aaggccgagg 600  
 ataaacttga 610

<210> 41767  
 <211> 469  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024d04d1  
 <400> 41767

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 ttgaacatta aaattaaaga ccgaagagcc ttctttttgg aaaacttttc agccaaactt 120  
 gacaaatatt tgaattttct acccattcta ctcaggcttt caaaggaaat ttttgacaac 180  
 caaatagggt gtaaggccca attagcaaga atcctgtgtc aatggatgaa tcaatgttgt 240  
 gcacctcatt ggatttgaag tcttaaaatg tgtgatacct ttcacaattc aattttttta 300  
 catcccatca cagcacactt attgacaaag ttgccagacc gttttttggc gagtcgattc 360  
 cactgaggag gtcctttatt gggaacccat taattgagtt taataaaaacc cttaccatga 420  
 gtccttggtc caccgatgac aataagcata attttccacg ccctgaatg 469

<210> 41768  
 <211> 519  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024d08d1  
 <400> 41768

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 aaaatatatg gaaattaata tagttacatg gcactttaca acaaaagggc gctcatgaag 120

ccgtaattgc acctacctag tcacacagat tgaataaatt acctaaggga gtttgattgg 180  
 caacaagatt gaattttcat tcaacttgat cgtttcctgc ttgtaagcag ggaacttaag 240  
 tgataaaaaa attaaaaacg aattattatt tttccttata tgcttgcttc aagtccttga 300  
 gtcttctgct ttaagcatac tcaggattca gtgctaattgc ttccctgtag atcatctctt 360  
 ttatttgctc ttcattcaat tgctgttgct caaaatcaaa tgagaatggc tccatgcaga 420  
 ttgggtcatc agctacatca tgcagttttt aagggtatgga tgggctagtg cttcttcaac 480  
 tgaattcttt tgggtgggatc aactgtcagc attttatca 519

<210> 41769  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024d09d1  
 <400> 41769

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 cattggggag ggtgccaatt tttaacaaa aaaaaggga gttcttctat aggggctagg 120  
 gggccttttt aaaactggtg gaaaaaagt tttaaacaat gggggtacaa ggggaaggat 180  
 cgcatcccc agaaaggga aactttgga acttaaacca atcatgctaa acccccata 240  
 aaatgccccg gttataggga accttttagg catgaaggaa acttggtccg cattaaatcc 300  
 cggggaagga aaccttccaa tctggttga aatggggccc caattgccag gggggccttt 360  
 ggaacaaaaa ccaacgaaaa gtttttg 387

<210> 41770  
 <211> 515  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024d10d1  
 <400> 41770

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 tattgatatt tgcacgcaa gctacggcaa acaaatggaa ttctattaca ttatgaatta 120  
 caagttcctt gcatggcata catcaaggaa aactgggaag ttgttgatg tggattgatt 180

tgccacagcc ttatatagac aaaccaaagt cttaatatca acacaaacac gtgtacagaa 240  
 aagaaaccac tcttcaagaa aacagaaaat aagaaaaact aacatattgg aagaggtgcc 300  
 ccattccact cccaaggca ttccaaaagt ggatcaatga tcttcccttg gcacaaagca 360  
 gtgaacactt tgtcacactc ttcacccggt gagataaccc tttcaccagt tagcaatgct 420  
 gtccccaact cctctctcac aaacttgtac aaggggtaag acctgcattc cttgatcttg 480  
 tttggaatag cacattgggtc attctcatat gcaac 515

<210> 41771  
 <211> 427  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024d11d1  
 <400> 41771

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 ggtagaaggg tgagaaagaa gagcgagcca ggatcaatga taattcaaat ttgacctatc 180  
 tgtaaactcat ggaggaggtg tccgccgcct ccggacacgg ggagggtctac tatcagagcc 240  
 tccatctgaa gattcatttg catcatcaga tccagattgt ccgtcataat tttcccccca 300  
 aagtgtagta gtgggtctcc ttattcgcat ttggagtgtc gtacctctgg acatggaagc 360  
 aggctgaaga atgaggaaaa acacagccag cagaccacca tcatttatgg gatcatcaac 420  
 cccaatg 427

<210> 41772  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024e02d1  
 <400> 41772

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 aaagttaaaa aaacccttaa cagatctagg ggtgaaatgg agaaaaatcc ccagccccca 120  
 aagatgggga aaaacagagt agttaccggt tttgataaaa atatcaaaat ccagagaaaag 180



taattttaagc aatcatacaa acccaagtta cacaaaagaa gagaatactt ttagcaagca 360  
 ttctgctatt acaacattga caagaaagga taagcatttt tctccaagaa cgcctact 420  
 cagcaggaaa tcaccagaca agacaaaaa ttttcaaagc tctcatgcct tgctggcaat 480  
 gttgctagaa agccagtcca aacccttata gagacccttt tcagaagttg c 531

<210> 41775  
 <211> 480  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e05d1

<400> 41775

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 atccctcaac tcacccaaa aataagatta cataaccata ctgttaagac tattctttat 180  
 ccaataccac ttcccaaac aaatgctaaa tttcattgag actcaggacg aaaaacagag 240  
 gtccctatgg agatcacccc aacacgtgag atgcaaatta atatcaattc tgtaactctt 300  
 ttgagaagca tctttcaatt ttccggaacc cattaggcca aaaacagtgg cagcaagcag 360  
 ctaatgtctt gaacaaagtg gtgccccaaa ataaatatgt gggaacttaa aagctttgtc 420  
 tgtttgaagg gtttggacaa tttgatgcac gatgcccgga ttttccgcaa ttaaacagg 480

<210> 41776  
 <211> 480  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e09d1

<400> 41776

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 tgggtgctata ttccagtata attttagcct acaaaagaat cttaaagcta caaacctat 180  
 tccacatcac cagatctacg atatggcatg tatctatggt cttttgcagc attcctcttc 240  
 ctctttttct caacaaatgc ttccagtttg ccagatgact tgagatggtt atatttttca 300

ataagccttt gcttccgtat ttcagatttc ttgagataaa aaggacgttt tccctgcttt 360  
 gctgcttctc tctctttctt tctgtgctta gccaatattt ctgcatcaat atgcttcgct 420  
 gaatcagact tcaactgggt atcaatccat gatatacggt cttctatttc atttacgcgc 480

<210> 41777  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e10d1

<400> 41777

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 gggacatcat aactggtaaa cgacaaatat cccggatttg taagaaaaac ataacaaaag 180  
 cctcctgttt gggatgaagc acgtgtaaaa agcaaactc ggctccatcc cctatgtgca 240  
 aaagttattc caacacaccc gcgcataac 269

<210> 41778  
 <211> 479  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e11d1

<400> 41778

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 atatagagga tagattacat ttttcttaaa ttgtctaacc ttgcctgtaa atcactatct 180  
 atccccccat catcattccc agtcgtttca acttgaggta cttttgtctt tgaagccggg 240  
 gcagcaacag ctgatgatgg tgcatttaca agctcttggg tgatgtcaat tccaatctca 300  
 tcaaggactt ggtaactag atcttcagtt tctcttcat cttcttctcc ttccaaagca 360  
 tcatctattg catctcccat catctcagat gtcaattcca tcttctcatt ctgtctctca 420  
 aattcttgca tgattttctg caaagatggc aagttcattt gcctattcat ttgccccat 479

<210> 41779

<211> 556  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910024f02d1

<400> 41779

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 ggggttcctt tttaatcctt ttcttttcga ggcagatttt gagcttgctt taaattttga 180  
 ttttttaatc tttcctcgaa tcctgttctt tgggtggtttc aacttgtaaa tccgaaccat 240  
 ccaatggtga gttgtgaaca cctcttcaaa atgcgtaagt ttgaaatggt tcttcccaat 300  
 ttctgtctgc ctactctgt caaaagcctt accatctgtc tccacaaatc tgtaatatga 360  
 aagtttatac atgagggagt ttagcattgt tgggtgtggc atggaatcaa tccgatattg 420  
 accgtccctt aaataatctg gttcctttat gtgaggggaat acaccccctn caatacgaac 480  
 catncacagg aacttattga tatcatcact gggatagcca accagtcctt caaagacaac 540  
 angaacatat ttgaca 556

<210> 41780  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f03d1 .

<400> 41780

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 aaaccgaact tattttcaag ggacattatt acagacccat taaacatcaa agttcttcaa 120  
 atgttttggg aacacatcca acattacaca acgagcttaa aacccccac ggagacggag 180  
 gacaaggatga aggggtgatt cttcttgat gttgtagtca gcgagggtcc ttccatcctc 240  
 gagctgcttg ccagcaaaaa tcagcctttg ctggtccggg gggatgcctt ccttgtcctg 300  
 aatcttggtc ttcacattgt caatggtgtc agagctctcc acctcgaggg taatagtctt 360  
 acccgtaaga gtcttcacga aaatctgcat accaccacga agacgcaaca ccaagtggag 420  
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<210> 41781  
 <211> 576  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f04d1

<400> 41781

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 aacaagcaac atacattggg aaggcagtgt ccacaaattc aaacagcagg gaatatgaac 180  
 atcccacaat gcaatcgacg ccatcccaaa ctaacacaac tcattttccc ccaccaaag 240  
 aaaaaatggc tcaggaatca tatagcatct atggggtcta ctttccgact accgaccgac 300  
 tcaaaatatg aggcccttaa acagactcaa tccttttatt atatttatgc tgcattagaa 360  
 gaaatgtgga tttgggtggt gggggggaag aaagcaaaga aacaaataaa ttgctgatga 420  
 cagtaggcat tggttgagca ggagaccaag gtatatgaac tttgcttgct taatcatcaa 480  
 ttaccagcat ttctgctgta aaactgggtca agagtcttgg ctggtatacg atgaagaagt 540  
 tcacgaggga aaaatcctga gtaaagtcca tgcaag 576

<210> 41782  
 <211> 579  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910024f05d1

<400> 41782

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 agacaaagca ctacgaacaa taagagccta atggctaata ataatacaaca cccaactata 180  
 cacaaagtta ttgaacaagc agcaacaaag ctttatgcac aattccatga tggaaatggt 240  
 ccctaatccc taaaatgaat ctacaacttg cgagacacca ggctccctcc cccatttcag 300  
 atgccgtcga gtgcattttt gagattccct ccaaaataca acatgagggtc gccgccgtgg 360



cctgaatttg ggggggtatt ggacttatgg cctgggtcatt tattacaaaa attgcatcag 300  
 ccctacttta aggggttttg ccagttcctt aacgcccatt tggaattcat cctccatttt 360  
 ggttacgaag gttgggtcga aaacagagga acccaaagac aaggggctgt tattgaccac 420  
 cgaaagatga agttttttta tctctctgaa tatgttcacc agccctggct ttt 473

<210> 41785  
 <211> 507  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024f09d1  
 <400> 41785

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 atactacata accacaaact tctttcatat acataactag aagctgtaga aatttagatt 120  
 ttattccaca aacatagcac aacataccaa cacacacatt caacttctga tatattcatc 180  
 atcatagaaa ccacacaaag actttcttca tatcatatat attttgtaca cctcaaatac 240  
 cgcagtatgc cttgatocct gaagcagatt ttacagcttc ttctgtgagg aagaaacgaa 300  
 gatatccata atgggtcaaat ggtttataac gaagaggatg ttcctcatcc actaattctt 360  
 cctctggttc catcacctta ccagcatatg aaagtagccc caaacagtat ctgtctacct 420  
 ttgaattcat gaatacttgg tgtacacaac cccgtatcct gtcattactc cataccatga 480  
 atgcatcacc agccaagaca gcaaaca 507

<210> 41786  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024f10d1  
 <400> 41786

ggcttcaaaa acgtgaaact ttcacttgat atattgaatt ccctgtataa gaacaaacac 60  
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 gaatgactag acactcacia gcaattagca tggaaaatga tactttgata gcatacaact 180  
 agacgaatta gggaagcagg atagaaggag aacaaccgga atggcatgct acaaggggac 240

atggaaaactt tgaatgaaag caacactgga taaaataaag caaaaaggcc atttgcata 300  
 atcggaagtt acaacagatt acgtacatga ttcaagattg agtaacatat aatacaggaa 360  
 ccagtccagc catcttgcca tccctaccag ggcgtttctt cttaacataa aaccagccat 420  
 ctacttcgta ctcaatctca acttcttctc t 451

<210> 41787  
 <211> 513  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f11d1

<400> 41787

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 gcattgatac acctacactt aaacagagat tggaatccag caagtcataa agaaaagtgg 180  
 gtcattgtaa ggtgaaagtg catgtttagt attttttggtg ggggggtgtta cttttcagaa 240  
 tgtaacaaaa aacaatttct agtttcggta aattaaaccg aaccgaacat acttgaagca 300  
 tatgcatatg actatcatga tgtatttgct atgacaatat atcccccaga ccaacaactc 360  
 tcaaaatcag gatattttta catcttttaa aatccttgca gccattgctc cataccttct 420  
 ggcttccac tactaagct ttgcattttg tgagattggc ttactgtgat cctcaacatt 480  
 ttcttcaacg agaccagatc cttctactac aac 513

<210> 41788  
 <211> 507  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f12d1

<400> 41788

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 gaagtagaaa caataattaa tgtacaggat atagtccatg agacgcaacc aaggcctttg 180  
 aaatctcaaa aatgagcctg gcctcaaacg catcacccgt ataatactta gacattgat 240

gaggatcagc ctttgggaatc cttttggtac caaatatggt gtccgtgctc atggaattca 300  
 acatgaagtt tgtgtaagca ttttttagct ttgccatcat cttcaagggt gacctaacca 360  
 tccatgtcaa ttttgggaatt gccttgatcc tccattgcct acgtgggctt cttcttcttg 420  
 acctaatacat ctttgttttc tttcaccggt ggtagcggtg gcaccgccat cgccgtcgag 480  
 gcgttggttag cgctctcttc tcaagta 507

<210> 41789  
 <211> 588  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024g03d1  
 <400> 41789

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 atatggctac acaatgacta gcattgaaac ctacaatgtc aatggccttg taacctatac 120  
 taacctggca ttgtggtatt tgaggttggg ggattccatc catccacacc tcattcccca 180  
 attccccacc tagatctcaa aaaacaaggg aaaaaactct gaccattcat tcaaagattg 240  
 gcacgcacat tcagataagt cacggctgaa aacagtaaga caagcactga taacatgaat 300  
 aaatgcttaa aattaagaac tcctgcatct attctcctca cagtaccagc atctggcata 360  
 gtatctgtaa actttacttc attatcattt gtagatgaat ttttccaagt tctgtccacc 420  
 tcatggtcag tagcaaaagt cacagtaact tcttgagaag gatgcttatt tgtctgcttt 480  
 agcttcacta ccaatatttt gttctcactt gctaaggagg acagctgctt attaagacgc 540  
 tctctctaac agtcagctgc atcaccaaat ttttgaatac tttggtct 588

<210> 41790  
 <211> 588  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024g04d1  
 <400> 41790

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 attctcaaaa tttcagatac gaaaatagtc tgatattgat ctaaaaagcc aacaagaaaa 120

gattgattca actaatcaaa tgattgaaca gtgctacagc tcaattcatt ctcttgatta 180  
 gtcattgat gtaattctcc cggtttccag catcacctcc ctcaacataa tggtttctct 240  
 tcttctttta gccacccaaa ggagccttga gcttaaattgg ccaaaggaag ttgttagcct 300  
 ccttaaagtg aggtccaaca gtgatgatct catggatcag atcttcagtg gatatgattc 360  
 catacttgcc cagagcctgc tcaatgatag agttgtcagt tagagcagtc ctctgcttca 420  
 ttagctttcc ataccctctc ttgtaaataa gttctctcac actcttgaga tttgggtatc 480  
 cataagtcac atacggttca actctgtgca gcatgttcac tgtggctatg ttaactttga 540  
 gaaatacacc attgaaaatc tgtctcaatc gcaacaactg caggatct 588

<210> 41791  
 <211> 513  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024g05d1  
 <400> 41791

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 tttacaataa aacataaaga cacaagggag catacaagat tgacgagaca aaataaataa 120  
 atatttttct tttaggaaga cgctgacatt cattagtaaa gcagcccaac gaaatcccct 180  
 gaattatggc gagcaaactt ctttcaggct aatgggtatt aattacatct gtcagaaact 240  
 tgagaaataa ttctgagaat gttggactat gggcatttcc gaagatggtc ggcattgagtt 300  
 atcgtcgttg atcaaggtca cttgtggtct tgatgccccaa agagaactaa gggcacgaag 360  
 acgtccatag tactctgcaa taacaataaa gtatagcgct gctagacgaa ctgtgagtca 420  
 tcgatatagg tgatgaacag ttggctgcct caaattatca gactggcgaa caaaacctta 480  
 atagattggc aagcttgcac atggcaacga cca 513

<210> 41792  
 <211> 578  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910024g07d1  
 <400> 41792

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 taccatgata ctcatctccc ggtgtggaaa atcctttggc caaatagaag ctaaattcta 120  
 ttacatcaa taaaaaagaa ctgaattaat acacagtaaa tattggaaat aaaattggct 180  
 gaatgaaacc aaaagtaatg tagcactggt attcagttaa gaggttcacg catcatctgc 240  
 attccggcta gggggaggag taccggcaag ccaacccac acgccaccag aactctgcct 300  
 ctgctttgcg ttttaaggcag cttgctctga tgcagccttc tgccgctgga gaagctccag 360  
 ctctttctgt aatgtcccaa tcgtttggag cttctgaact aattcagcaa cctccacctc 420  
 gagtttgaaa cacctcgatt gctcagatgc aagctgacca cgaactgatt ggagctcctt 480  
 ggaaaggta gagttacgag actcagcttc caccagatct tgctttagtt gaagagcatg 540  
 ctgattttcc ttgctcagtg atgaattcaa ttcttctt 578

<210> 41793  
 <211> 614  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910024g08d1  
 <400> 41793

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 taattcaaga aaaccaccat aacatggata cttgatatat ctataatatc tctttacttc 120  
 tcacaattct tgcaagaaaa ccaccattga aacagaccaa acatgaacga ttaaaggaag 180  
 agtaacagac tgatcagccg cttgaaaatg gccaaactca aaagtcaaca agaaaactta 240  
 gattttgttg aatgcaacaa tgtcacagct ctggatatac tcgttgcatg gctcaactgt 300  
 caagcgttcc tcaacaagag tgtccactga tacaaggta tcaacaatag tcatcatgat 360  
 ctgcaacttc ttgataccat atcccacggg aactagtttg gatgctcccc acaataaacc 420  
 aggcatctca atactacgga cagcctcttc cagcttcttc atgtcggctc catcgctcca 480  
 aggcttaaca tcgagaagga cagaagactt gccactctct ttnttcttgg caggcttttt 540  
 agcagcctcc ctttctctg ctgccttctt atcctcctct ggctcatcac caaagagtac 600  
 aagatcatca tcat 614

<210> 41794  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024g10d1

<400> 41794

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 aagaccttac cggacattgg acataacaat aaattatttg gctttaatgg gggccccagg 120  
 gaccctttta tgagtggggg aacagcccca ttcccatgtg ttttttctgg aaaacaccct 180  
 aaaatttttg ggaaaccaag tttttccttt catgggtgtg gctttcaaaa tattcccctg 240  
 gcttttttcc accgcttggg ttggttcttt tgggtcttcc caaactttgg ttataaaggg 300  
 ttgggttaac ccacttcaaa caagggcttg tttgggtggc cacacacttt tcacattctt 360  
 gataataaga gttttgaaac ccgaaaaggc ttttttgg 398

<210> 41795  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024g12a1

<400> 41795

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 aacgaatcaa cggtagagaa gcaacttaaa catttttgga tccttttggg tatggcactg 120  
 ccacatgcat aagaaccaac attgacagcg gcacgtatat taatttaatt atgcaataac 180  
 tgacacataa tccacggtaa gtattaccct ggtgcagttc gaaacaatcc aacactgcca 240  
 atctccatag agagttgctt atcttgcacc attttttagga ccacacatta tcttggatta 300  
 accacttgta tatgtgtaag catacatata gaaaatacat actacataaa cagcatggtt 360  
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 gacatctaga tttatacaaa ctttggtt 448

<210> 41796  
 <211> 434  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: jC-gmro02910024h01a1

<400> 41796

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at ttggcaca tggacagtga tttaaacagt acactactgt cttacacaat catcgatcatg 180
gaggatggtc tctaccacaa ctcggtttgg cttgaattgt ctgcatctga tgaatgtgca 240
gctttcaaaa gagaggagga tgaaaagggc ttagacgtga acaaggcacg cttaacgtat 300
ggtagaagaa ttgggtcaaa gaagatggga tctgtaacca ggaccctct catgagagct 360
tctctgaatg gaagcgctag ggtgctcaat tgaattcgct ttgagaagaa aggacgaggt 420
gttgatatga acag 434
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<210> 41797

<211> 587

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024h02d1

<400> 41797

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aaacactgct gactgcacaa gcaagcattt catgccggtt aaaagataga attcaciaag 120
caaaaacatc tgtgatcatg tttaatccaa acatcaaact aacaaaaggt ttcttgattc 180
taacttcaaa ataagaattc tcatagcata ttgtatcctc agtgcctgta tgttatttca 240
aaggccaag gtatgtaatt tctcattcta atgaatatct gcactggcat ttttttctcc 300
ttcattaacc aagcttttct gatcaggggt aatgatacct gtatccatca cgaggtcagg 360
ggaagagtct attttctcac tgtctgaagc atcagtatct gattctaacc tagtcgaatc 420
taaagaaaga gcaagatttg ggactgatgg tggagagttt tcccttgctc agagagagta 480
agtcttctta tcatcctctt tcattctctc agcatatcta tttatgtcaa atcctggatc 540
atcattcccg ccaaatgcag attcaagatg atcaaaatca aacaaat 587
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<210> 41798

<211> 571

0953113.03200

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910024h04d1

<400> 41798

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tgcagttttt cgtgagaacc tgaaatacta atatgaacaa atgaacatct cattccaacg 180  
atcatcactt ttgtcaaaat tcaactacaa agttgactac acaattgctg gatctgggaa 240  
ctggttggat tttccatgaa gtatgtactg aatttaccag tgcttgagca tgttacgttc 300  
agctggttgc caagttggtt tgactcgcaa tatgctgcct ctgtatggca gctccatttt 360  
gaagttggaa cgcaagacag ataatggcac caggagcagt gatcatttgc atcaacacca 420  
cggagaaggg caaccagccc aacagaaagc ccaacaacta gaatgatcag ggagaggacc 480  
cacaagatgc actgatattt cttgaattta ggcttggatc gtcctggaga ataatttagg 540  
ggagcatatc ngtggttaac ccatccaaac t 571

<210> 41799  
<211> 401  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910024h05d1

<400> 41799

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ggaaaggaat agaaaacaat gaacaaccct tggcagttgg ttgcaccaac caaagtagcc 120  
acaaatcgaa atcctagaaa aatcaaaagg taaaaaataa aaaggaccaa accctactta 180  
gaaaagcata actgttcctt ggtccttggt ccttgatcct tgttccatcc aaaggagac 240  
aacatgcaag ttttgctcat ggcttcaca gaatggttgt gtctgcaatc atggaagtaa 300  
ccacatatgg gtccatgtta gaagctggcc ttctgtcctc aaaatatccc ttcctgctt 360  
tctctgtgtc ccttccaacc ctaactgaag cttcacggtt t 401

<210> 41800

<211> 592  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024h07d1

<400> 41800

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 aaatgactcc ataaagcaca ttacagcag caaaaatgc acagccactg ctttttatta 180  
 atccataaat cacttcatac atagcactgc attactaact atgacgttca cacttcaatg 240  
 gctgaccaac ttaagagagt ttgccttctc ttgcagagaa tccaggaggc tgtcaaagct 300  
 cttctttaaac gagtccactc cttcaagttc aagctgggaa ccaacaaagc tccagtcaat 360  
 acccaatttc tggagagcat tgtatatccc ttcagcttca gatgcatttg agtctattgt 420  
 cctggatagc gtaccatgat cgataaatgc ttgaagggtc tggctctggca ttgttgatac 480  
 agtgtcgggt ccaataagag gagcaacata taagggtgtca gaataggcag gattctttac 540  
 actggttgag gccagagga gcctttgctt cttggcccc ttttaactag ag 592

<210> 41801  
 <211> 531  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910024h08d1

<400> 41801

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 aaaatcaaata aaaataaata agcactgcag taggtcttta aatcactatt gctcggatc 180  
 tgtagtaact taattaatga ataccattat catatatgaa aacctaataa attatattgc 240  
 aatgcaaatg cttctaaaat tttgtacata ttaagggtaca tgtaaaactca caagggtacaa 300  
 tgatctttga gaacttgctt agcaagatca agagcaccac tttttttgta gattaaatgc 360  
 aaattgtaag ctgcctctct gcgaagggtc cagtaaccag gtttgtgagt ttcgatgcta 420  
 tcgggatttt cattgggaag ttttgggaatt ggatagtctt tctcaciaat agcaataact 480

ttctcataat aaaaagccgc cagagttaca agtccaacat gatggaatgc c

531

<210> 41802  
<211> 439  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910024h10d1

<400> 41802

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aaagcagacg tggataaatc aaagactgaa accaacaaca ctagtaatca acatttggag 180  
ttcattttgt cgttttggat ggggttgtcc gactccaaa atttgcccca gatggggtgt 240  
ttctgccaaa ccatactcat ttctcaagt gggatgcct ttgtctcagg caataacttg 300  
tagatgaata aggtcatgat caccacaaag caccacaaaga agatgaacaa accaaacttc 360  
atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca 420  
ccaactgtga tactctgag 439

<210> 41803  
<211> 542  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910024h12a1

<400> 41803

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gtttactcct tcatggttta cacctgcact aagttttcct ttcggtagta ccctagacca 180  
tgaaatggaa aatctataag catccaaatt catatacttc atgattccaa tatectcctt 240  
ataccgatga tatgagtcgt ctgctacatc tccattactt acatttttta ttttttctgc 300  
atgccataag tggaaattat acattaaaac gggcaattta cagtcaaacc ctgttgatga 360  
tgaatctttc gatgctttcg ttgaccagta gcatatgcat tgattgttct gtgaaacaaa 420  
tggaacataac tcccatcttt cttagcacct ggaagatttt ccggatgtgt gtagcaaatt 480

ccttggtctc cttccagtgt tgggatgaac tcattgataa acatgtagct gaagatgagt 540  
ag 542

<210> 41804  
<211> 454  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025a02a1  
  
<400> 41804

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tgcatgggca aataagagca tgcaacccaa ctagcatata acatgcctt cttatctacc 120  
gctaattttt aaaataaaca atgcatattc tgacgtacat aagtttatag caaaaccact 180  
ccccatagta gaagtactat caccattaga aggcttctaa ttcccaattc accactatgg 240  
agattggagg cagaagaaac tgaatttgtg gaattcagtg atgataacgt gacgttgggg 300  
aagctgccat tgattccaag acttctctgga aatacacagg atccatgact tggattgggtg 360  
gtgggagatt gtagccatgt cattgaaatc acaagactga gtagactttc ccatctgatg 420  
atagtaagtg tcaaaaagca taatttgcac gtgc 454

<210> 41805  
<211> 378  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025a03a1  
  
<400> 41805

atgcaaaatg tataaatctt aacaccctat ttatttatag gagccattgt tttggggcac 60  
gatttttttc gactggatta tacaataact tgatgatcat ttaatgacta tacttggtag 120  
aacttgtttt aggtgaagaa tcagccttgg tatttggccg gagagccagg gcatgatact 180  
tgttattatt tgggctaggg gaaaaatcat cgttttcggc aatggttgat tcggagggta 240  
aagcataatc tttgggaaca cttgggcttg agataaacia aatattttcc gggacgcttg 300  
acgctgggtc aaaaggcagg acacctacta atgatggggg tcggttcaaa atcttcattg 360  
taggaaacgc ttgacctg 378

<210> 41806  
 <211> 484  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a04a1

<400> 41806

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 gtcattgtca gactcttctt ggctctgcag tggccaaggc caactaactc taatgaattg 180  
 aaattatttt ttttttacct tttctcattt cttttttcca gatgtttgag aattgatgca 240  
 ttaaaataat tcaaggaaac tggtaattta acttatgtgt cctatatata cttaaattac 300  
 atccttctta aagaacttct tgtatttgac tgcaagttga ggcctagttg aagatctagg 360  
 gctttacttt tatggctctg atttgaagca ggggaagtggc aaggcttgaa gatgaaagga 420  
 ctattattac ttgcattgga gacagtaaac atgcaagtat ctttttggga attagaaggg 480  
 tgag 484

<210> 41807  
 <211> 527  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a05a1

<400> 41807

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 aaagataagg atatttagtt ctgatgagca taaaaaacia aattctaata cgaaaaaata 180  
 aatcatgaag tttactgtga aacacccaac cacttagaaa agttgtcgaa ttctgtataa 240  
 tcagaatctg acaccatagt gtgataccat gctttcccag cagccttgat ggcagacgct 300  
 tcctccttag agacagtctt cctcttcttg tcgagcttct ccttcttgac cttaacccgc 360  
 tgtgcctcag cgagaagggc catcctctta gcagtcttgg cataaggatt cagcttcagc 420  
 atcgagttga gattcttaag agggttcttc ttgagagtgg ccctcttcac atccttctta 480

atgggcctca caacagattg caccttatca gaattaataa tcctgga

527

<210> 41808  
 <211> 551  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910025a06a1  
  
 <400> 41808

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 cacatcggca gcgtcatcgg gagaatcagc aggagcatca gaatcatccg ccggcgcatc 180  
 agccgccttc ttcttcttct tccccttctt cgccggcgca ggagcgtcgg cggcagaagg 240  
 ctccggcgcc ggcgcggag cctccgcctc acccttaaata aactccttag gctgaagcac 300  
 cttattaata gcaaaaatcg caagcggctg ttcataatc aaagtgtcgg tgatcttggc 360  
 agttgtaagc ttcgtcttca gagtaacatc ttcaccgtcg ttttgaacgg tgaagtcaaa 420  
 cttgttggcg ccatcagtg ggcagagtgt ctgaagtcgg ttattggatt tgagagtagc 480  
 tntggactgg gtaaaccgga cagcgtggaa ttcaagaagc gcggncttac cagattttgt 540  
 aggttttttg a 551

<210> 41809  
 <211> 354  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910025a07a1  
  
 <400> 41809

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 aacataaaac gggtatgttg attcggttta taacatagaa acggcactag ttctaaatat 180  
 cattcccaaa aaaacataca aatagaacat aaacccccaa ttaagtagtg agttccatga 240  
 tggctccaac aatgtccccg ttgtgagtct tgagagcctt gacggccttg cttcttgaca 300  
 ctctgcctg cgatcatcacc aaatcaatgt catggggctc cacaccagtt tcat 354

<210> 41810  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a12a1

<400> 41810

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 tttgctggcc ctaattaaat ctatcaacag ttctgcacag aaaatgtttc agaacaaaaa 180  
 cctttccatt aaaaaaaatc gaaaaatcaa attaattctt atttttgtaa tgaacaaata 240  
 atcagttcgc tctgcccatt tgaagaggcc tgggtggagc catgggttctt ttcttcaca 300  
 ggtaatttc ttttcgcggc tctaaattaa ccacaccccc acgagtgtga ccaactccgc 360  
 caccaacca atgggggtgca gagaaaggga taataatctc ttcctttt 408

<210> 41811  
 <211> 552  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025b01a1

<400> 41811

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 aacaaaaaac agtactcatc aaaaacaaac agcaacgaaa atgttaccgc cgatcaagaa 180  
 cccagttttg aaggctacgg ctacatgaaa tcggcgagca cttcaaaata taactggtaa 240  
 aacaaacacc taagactctg caaagataaa ctactgtaaa ggaacaagtt tttttgaaac 300  
 cacgttgatg atcacatgtg ctagcaaaat tgccaaaatg caatcacttc ttcttggcgg 360  
 cagcctttgt gaccttggtc cgggtggggt ctttcttctc aacactcttg atgactccaa 420  
 cagctacggt ctgacgcatg tccctcacag caaaacgacc aaggggagga tactcagaga 480  
 aagtttcaac caccatgggc ttggttgga ccatcttaac cataccagca tcaccattct 540



tcaaaaattt gg

552

<210> 41812  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b02a1

<400> 41812

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 cctcttatta tgcaaacaag taaacaaggg gctaatttgc atttaaaaat ctgaatctaa 180  
 atttaacaga ggtggtatca tctccaagtc attgtaaaat tcttggacaa aaatgataac 240  
 aagaagaaag ttgcaaccgt ctcttttagat gtgaatgggc ttgtcataag tggccattgc 300  
 ggcttctttc acagcctcgc tcattgttgg atgtgcatgg cacacacgtg caatgtcctc 360  
 acttgatgca taatact 377

<210> 41813  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b03a1

<400> 41813

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 gttttttcca tggggggggg gaagtctgta aaaggggggg gaagggggcca aatgatccta 180  
 tgatgcgggg gaacaaggta atcccatcac caacgggaag ctggcaaatt tcgacccttg 240  
 aattaagcgc aagagctttg gtgagctcca taacaaaacc gcgattattc ttaacataat 300  
 ccatgaaagg ag 312

<210> 41814  
 <211> 530  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910025b04a1

<400> 41814

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 aacaaaaaat atatgagcaa gaaagaatga caaacctaac tatatagaaa cagccagagt 180  
 ccaagcattg tggacactac ctcaatagtc ttcaaccaag caaaagggtgc gcattattct 240  
 atattgggtg tgcatacaac acttgctttg aatgctatct tgcacatagc gcattgagaa 300  
 gaacatgagc taacataagg tccacgaaat attgatgtcc aatttggcca tctctccact 360  
 tcatctttgc tggagctctt ccatagtga cccatcatt acaccgggta tcaaaatgcc 420  
 atggaaatgt catatcaaag ttatcaatca caccagaaac aactcctgat tgcttcaatt 480  
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<210> 41815  
 <211> 579  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910025b05a1

<400> 41815

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 agttttttgc attacatctc tgctgaatat cacacaaaaca aacaaataac ttatggagta 180  
 ggaaggatgat cttccacct ttctccaaa cagatgcttc tttcaacact ttaaagagaa 240  
 caaaaagaca aaatgaacaa agtataataa gacatcttag gaatcatcgg ggtagtaat 300  
 caaagggtgtg tgggtatcct cgttctgagc ttgagtttca gtttgatttg gaacttctg 360  
 ctgttgctca actaacctgc tcatacgttc tagcaattgt ccagccttcc ttttgctctc 420  
 gtctgtacca ttttgagcca attctaacag tggacccatc acccccagct cttgtgctg 480  
 tgcaagatat tgttgatctc cagaacagag gtgaactaaa ancgagctg cattctcttt 540  
 tggtcttggt gagccattcc caataactct actaaaacc 579

<210> 41816  
 <211> 486  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b06a1

<400> 41816

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 agcaagactt aatagaagta ctactaagta aaaaataaaa taaaagccct tcatagttaa 180  
 catatccttt aacttttgtgt tttcttgaat ctaaagcaca ataaaaacat taaacaccca 240  
 tagtggtatc tcaaaagtat agtgaactct ttactttgcc aatgatccaa gtcattggct 300  
 cgaagtcttc atgttcatct tcaaactcct gctggttctg gttcccggtg tagttgccac 360  
 ctctgttgtt gtaccagttg ttagtggtca cttcccttga tgagtcacca tagtttgttg 420  
 gattgtactt ctggcgaggc acgtcatgaa agtattttcc accctccaaa aaccttgtgt 480  
 cactca 486

<210> 41817  
 <211> 515  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b10a1

<400> 41817

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 ccaactttac tcattgcctc gtttctttct attcagagtc ggagtccatg ttgcccattg 180  
 ctttcaaccc tcttggtctt tttttttctc ctacctttt ggatatcttc ttctccctta 240  
 cttcatatcg ttccagagta agatcgaca gccatgtacc tggactaacg agattgaggg 300  
 ttctgtgtat gaatttggt ctcttcttg gtctctggg aagctttgaa cccttcaaga 360  
 gcagaaaatc ttcttccttc tccttgtttg tcaaggcaat cacgaacttt ggcggccaca 420  
 ccggcggagc cgcgtcacca ctgccggagc gcgaccacc accgcccttc ttgctatcgt 480

515

<400> 41818

<400> 41819

<210>	41820
<211>	360
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmro02910025c04a1

<400> 41820

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 ccaaaagaaa aaagggccccc cccccccct ttcaacctaa aacaaaaatt ttttcccccc 180  
 ccaaaaaaaaa aggctttaag ccccaaattt taggcccccc cccccccaaa aaaatttccc 240  
 cccctgtgg gggaaaaaag gccccccaaa aactttttaa aatttttttt cccccccctt 300  
 ttattggggg gggggccccc ctttttttta aaaaaacttc cccccgaaaa accccccggg 360

<210> 41821

<211> 546

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025c06a1

<400> 41821

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 acatttgga cattattaca actatatatt attttttggg ttgtgaaggg gagaatgagc 180  
 ctttattgat gatagtgtg gtecttctcc tatataccac atttcataag aagttgttat 240  
 gggtaaact caatgagaga ccttaaacc aacactggag ttatcttgta gtcactgaaa 300  
 ccagtagaga aaatcagttt ggccattct ttctcagttc tctcttttcc aggatacagc 360  
 accatcacia ccatatcaat gaagagctgt gtttcaattg attcatcatc tcccttttca 420  
 ttctccacca ccatgtctat gataatcacc tngctcttta ttgctctnt gcatttcttc 480  
 agtattttca cacactgtct atcattccag tcatgcaata ttcacttcaa gagaatggca 540  
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<210> 41822

<211> 418

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025c07a1

[illegible]

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<210>      41823
<211>      473
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910025c09a1
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<210>      41824
<211>      439
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910025c10a1

<400>      41824
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 taagggcatt ccagtccctt cccttggtgca ctcaagtcac cgacctctag gacgacatac 180  
 aattaattgc cagaggaatg gaattactcc attaaatcct agaaggcacc aatgctggac 240  
 accgagagat tgtcatcgcg tcccacaggt ctgacgcact ttgggtgcac tttataacca 300  
 catcggaac actgggaggg ccagctagac cctggatcct catcacacgc agcagataaa 360  
 gggccctcca ccatttccat cagacaccga atacagatca tgtcgatacc cttggcgata 420  
 caccagtgtt ggaagaccc 439

<210> 41825  
 <211> 463  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025d01a1  
 <400> 41825

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 atcagagaaa caaaatttga gaacttataa aaaaaaaaaa aaactttaac aatcttttca 180  
 ggggggtttta tccgttttag cagcagtagc agcagcttgc cccctaaaac aaccagtcct 240  
 cctagcagca atgagaccaa ccttttggcc aggaggagca taaccctga cggtactggc 300  
 atgaccaata tgctggggat tacctcctcc atgaggatgc tcaactgggt taatggccac 360  
 accacgcacc ttaggccagc aattcctttt aactctgaat ttgtgataag cattaccagc 420  
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<210> 41826  
 <211> 426  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025d02a1  
 <400> 41826

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atgtacacat ttgtatgaga cctaactatg tagcctaacc tagcatatgt ttagtagggt 120  
 cagtttcgag attcagatgtt ggcatacaaca ccacgcttcg tgtacagagg cccaaccgcc 180  
 ggcacttcag catgcgaaga taccattgct gaaagaggct ggaagttagt atttccaaca 240  
 aaccaataga gagcccattt caaattgcaa agagtgtact tgagagattt agtccaattt 300  
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 taaggcagtt tgaacattt ctcagggtgt atgttattct cttgatcctt ggatttggca 420  
 aagtct 426

<210> 41827  
 <211> 507  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910025d03a1  
 <400> 41827

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 gatataatgt cagtatatta acaggaccaa aaagctaata aagggacgaa aaagaaaaag 180  
 gaaaattcat tcaaaacata acaaaggaag tttgagttag tacagtgtca gctgctaggt 240  
 atagctacga ttctcatgaa attatgactg tcagtccaac tcattcaaact actgcatcag 300  
 ctaaagggac tagtccgtcc tttgcttctt tgcattgctaa agcaccatca ccactattgt 360  
 ctttcttccc ctttcatcat tatatgcaca gattctcatc ccagctcgtg catgagctca 420  
 ttccattcca aatattggcg tttgaaagag acttggttnt gcatgggatt ggaatgtgtg 480  
 cagggtaggt ccaatccagt ttccata 507

<210> 41828  
 <211> 561  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025d07a1  
 <400> 41828

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 aaaacttggtg taccocatct cttgaagggtt tcagacttca gttcttcaaa attggagtcc 180  
 atcatgcatt tcaactcaaa agatgacacc gtaagagttc tgtaataagg aaatgtcatt 240  
 ttctgcatga actacaataa tagaatataa ccagttgagg ttcttcagac tcaactctaa 300  
 atcattttta gttgacattt gccccatgg cctcatattt tatcatttct cactcccacc 360  
 aaaccatcgc caaccagaac tcttgccttc agctgttgca gcaagctcca tctcctggtc 420  
 cagagcagat ttcttttcac gaagagcctg tacctcctct tccacagact gcattgattc 480  
 cagcaacttc tggagttctg caattttggc ctcaagttaa agcatcttga tctctcagcc 540  
 acaagttgtc cctggactga c 561

<210> 41829  
 <211> 486  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025d10a1

<400> 41829

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 caacatgcag tttaatatca tatgatctac aattgatcat tctataatca gatgcaaggg 180  
 aaagacaaca ggtgtaattt ataagtatca agaattctcc ttcttccggtt ttgaagcact 240  
 tccatcactc tcatttttcc gcttggtctc ttggcgctcc ctcttcactc cttttgcttt 300  
 gtaaggtaaa ggagtttctc caaccttctg atctgggata taaatacttc caatctttcc 360  
 ctgtaattcg tcccttttaa cattcttctc ctttttcttt ggcttctccc tcgatgtttt 420  
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 ggacgg 486

<210> 41830  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025d11a1

0953113.032200

<400> 41830  
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atacaccaaa atggttatat cctacaacta caaaagagaa aaggaaaaca ttaatgacct 180  
ttgccattca aataataggg gttccacca aaataagtat atatgtcact gaactacatg 240  
tcctaacaag ctatttggtg aaggtgagct agttccactt aaccaactat catgcacaga 300  
cacaggagag ctgtccttca cctcctcaat tgattgcaaa aaaacatcag tcttgtgggg 360  
aacaatcaat gtctcactcc caagtctgc agctctctca aaactaacac c 411

<210> 41831  
<211> 440  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025d12a1

<400> 41831  
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ttacattcat ggcattctaaa acttaaataag gtgtcggcac gtcggattat gatattatgt 180  
gcatatatga catagaagta gccatattac aagcttaatt tctacagaca tatataaaca 240  
ctcctctcat cccaaacagc tgagaatctg attggtgatc ttagcctttt cacttagggg 300  
tgaaagcacc aaaaatgggt tcatggccag gatctgcaag gtgggcaaag aggttgtcaa 360  
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<210> 41832  
<211> 552  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910025e01a1  
  
<400> 41832

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aagtaattaa tcccccaagt aaatgttggt atcacaaatt actattcatc catattccac 180  
catttcagtt tcatgttttt cctgtgaagc tctggtcata tatgaatctc atcattgttg 240  
cataaaatga agaatagaga tatataattt gtttttctca gttcaaaaca ggtgttcatt 300  
cacatgaagc tctggttact tgattcccct gcaccactac tcttgcgttt gcttttggag 360  
ccactagaag acgaaggatt agtatgccaa ttcctttttc tttgatttat gaaccagnta 420  
tttatctgct ttaattgcaa gcctgtttcc tgcaccaacc ttgccttgtc ctcttctggt 480  
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ggtagcttcc cg 552

<210> 41833  
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<212> DNA  
<213> Glycine max  
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<400> 41833

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<210> 41834  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910025e04a1  
<400> 41834

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atattttatt agagcacaag ccaacctggc ccaaccaaca ctattataat attattatta 180  
ttattattat tattataata taaagtaaaa gagttgacct taagcaacac cgtgctcggg 240  
ggcgcgttga gcgcgtgtac caagccactc caacatgtcc ccaaacta gctccacgtt 300  
cttttcgggt tccccaacca tttgatgcc catcccggga tatattttca gcgtcttctc 360

cttactcgcg gggcgtgcgt gcaactcctc cacgcacgcg gggtcgcaca ccacgttgtc 420  
gccggcgtgc gccaccagca ggggga 446

<210> 41835  
<211> 352  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025e05a1  
  
<400> 41835

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cgacgcataa tggtagtagt agattcaaac gggggagggg cttaacgaaa aacgacaatt 120  
tttacatgca acccacgggt tttttagctt atcctttcag cggggcctgc ttttggcttc 180  
cccactgtac agccagtcgt aaacagtggg agtggtggga agtggtttgt caaacatttg 240  
agcaccgatg gtctttgggg gggagttgct cccaggatgg aagacgctcc tccaaacgtt 300  
ggcagcttta cgcgcggatc ccggtgtcgt tggagtcgtg ggagtcacg gg 352

<210> 41836  
<211> 369  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025e06a1  
  
<400> 41836

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cagcactcac ctgaaatatt caacacctac cttagcagca agcaattggg agattatcca 120  
cttgcccttta aaaaaacatt cacatgatta aattaatccc tggtttcaat tcaaaaccca 180  
ccagctagaa acaaaaaggg gcggaagagg tattgctcaa agggagtga caacctacct 240  
ttttgcttcc agtttaagaa accagccaac tgaaataatt aaaccctcag cccacaattc 300  
atagtacata aaacgttcaa tgtccaagct ctcagtatgg acgagaacga tttccataat 360  
gatcacgcc 369

<210> 41837  
<211> 410  
<212> DNA

<213> Glycine max  
 <223> Clone ID: jC-gmro02910025e10a1  
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 gttttaattt attattatta ttaaattggg ccataggatc cttgagaagt atgtcttatt 180  
 ctgagaatac ataagcttaa gggttctccc aatcatgaga tatatacatt atgatatgat 240  
 acaagattaa gctggtacag attactgcac ttttccgttg cttgagagca ctaagctatg 300  
 ataggaataa agcaggacct tccatgcacc aggggacata aatccatgag gaggactttg 360  
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<210> 41838  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025e11a1

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 tttatttgca acaaagcact tatcacgaat ctcccctttc ccaatacgat ccgttatcac 180  
 atctagctgg ctcaccttca caaaagcatc ggaaaatttc ttaaaaaaca gtttctggtc 240  
 tgaagcgaac tggttcacga tttccttggt tttggggctg cccgcgatgt cctggtcaga 300  
 agtgaacact ccttggcggg tcaggagggt gatgtaatac atgttgtcca acttcacggg 360  
 g 361

<210> 41839  
 <211> 490  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025f02a1  
 <400> 41839

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 ctaaaaacat taaagcagca cctaaataac agctgcaacc aacgagttca acatacactg 180  
 gacataacaa cagagaattc aactaatatt ggacataaca gacagactca gaaaccacca 240  
 cgaaggcgga ggacaagatg cagggtggat tccttctgaa tattgtaatc cgccaaggta 300  
 cgaccatctt ccaattgctt cccagcaaaa ataagcctct gctgatctgg tggaataccc 360  
 tccttgtcct gaatctttgc tttcacatta tcaatggat cagagctttc cacctccaag 420  
 gttacggtct tccctgtcag agtcttcaca aatatttgca taccaccacg aagcctcaac 480  
 accaaatgca 490

<210> 41840  
 <211> 539  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025f03a1  
 <400> 41840

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 tcataaacia acaaacttat tttatatacc agaaaaaaaaa attaattttt tctctgaagt 180  
 ggactttatt gaccacttgg cattttcact atgttaagcc ccagatccag caagtcgcct 240  
 ctttgaggcg tttgatacag ccaattgacc aagtttgtca gtgttacttg atgtagtcct 300  
 ttgattgatt ggtgcataat gcctcaacca ctccccaaca taaacctgtt gagggctcat 360  
 aatctttgta tcaggatcat ccaatgactc tcgccaatgt gccaaagtacc cagccattcg 420  
 agggatggca aataaaacag tgaataactc aggttgaaag cccatggccc tgtaaatcag 480  
 tccagagtag aagtcaacat ttggatatag ctctctcttg atgaaatact catcagaca 539

<210> 41841  
 <211> 172  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025f06a1

<400> 41841

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catgcattaa caaaattgca aggcaaagct actaacatgc agaaaccgat tggccaatac 120  
aatttatcaa atcatagggtt ttatagaaag ttaaataaat agaatatctt aa 172

<210> 41842

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025f08a1

<400> 41842

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ttcggaatcc aactcactta aactcattga gtcttgataa gtttcggaat ccaaccact 120  
taaacttttt tatagcaaaa ataaaaactg acatgactaa cttataaaa caatacaggt 180  
tcttattctt tccactgtat atgccattat tgtaatccag accttgcaat ccaactagtt 240  
gacccttctg caattgcac tcgatttctcc ctgcctccca gtgagaggct tcatgttccc 300  
catcttgatc attgaagctt taaaatctct agcaaaagcc aaagggattc tactatatag 360  
ttgcaccaat ttgtcacttt ctgtgccttt tcccttgaac agctcttgat cagaatggag 420  
aagacccttt ttgtgcagca aatccgtgta gtatgtggtg tcaactcttg tgggtgtagc 480  
atcaagtgga tgcaagttgt tgtctccttc gcttttcgga catgttttcc tcacagatgc 540  
t 541

<210> 41843

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025f10a1

<400> 41843

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gggttcaatg ttaccgggta ggaagctaaa attcaaccga cttttcaaag agcaagggaa 120  
aagccctaca ccacaaaaat aattatgggc atggcctatc tatgtgctga acctgagaat 180

gtcaacctaa gttgggaaca acgaaaataa aagcatttgc ttacaacatt ttttaagggt 240  
 ccacaatatt tttctcccaa atagatggtt tcctaaaggg gcgggggggt tactatactt 300  
 gtttggccaa aacaagggtta gtggcaaaaa 330

<210> 41844  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025f10d1

<400> 41844

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 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180  
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240  
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300  
 tatatgaatt ggaattatgt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360  
 atcggaattc ctcgggggta ccgagctcga att 393

<210> 41845  
 <211> 491  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025f11a1

<400> 41845

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 tgacttgacc attgccatta cttcccatat acagatacaa gaatgactac aatgtctatg 120  
 tgttcatgat gaattttttt accgtgtcag aaacttgat atctccttgg ttcagtatat 180  
 cacacacaaa gcaggcccg ctgcggttca gtgaaatcaa ggccttcttc gagaagataa 240  
 cgctgtacag ctattgggag tctcgcagga gtgcgggagc cccgagtatg gtgaccagtg 300  
 ccaacacaga tgtaaacctg caaacgctgc tcgggggctc tggctgtgct tcgtagcaca 360  
 ctcagttcgt gtttcagcac gtgaatcgct tcacttacgt gcagaccatg taggtctatc 420



attctttggg gccctcttcc attctctgga gcaacaggat tcctctggcg ataaatagat 480  
tcttgagctt t 491

<210> 41846  
<211> 354  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025f12a1  
  
<400> 41846

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attgaaaagg tgggtggggcc cccctagga ccctattggg attgcattgg atggcccca 120  
cgttccaaag gaatatttat ttttcttcaa gggaaaattc taccgtaag gggaggaaag 180  
atatctgtgt acaaagaaac tttggcctta atcaccctaa agagctgtgg aaaaagatgt 240  
ttcaatcccc atggacttgg aatacccctt tttggcattt gccaaaccgc tttgggacat 300  
gggccacttc tttttaaac gggtcccttac ccctgccac cgggatttcc ctgg 354

<210> 41847  
<211> 485  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910025g01a1  
  
<400> 41847

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tttcaagtat aaaattcagc tcacttttcc gaaagagaca ctgtttataa aaaaaaaaaa 120  
atatacatat tccacaactc gcgtcacaat cgaaccatca aaaccaattc aatccaagac 180  
ctaatacaca tgtgagaaac caaaaaaaaaa ttgtaattc cctacgcata tattgttcaa 240  
taaagtacct ctacttttaa ttgaacttgt attaaaaaat gaagccgcca acattaagaa 300  
gtaagaactc attatcgagg tcccaacgaa acagtcatat caggcatttt aatactatct 360  
gaccagatcc ttgacgtcaa ataaaacttg gagatcttgc cagcgacgcg tcccatgttc 420  
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acatc 485

[illegible]

<400> 41848

<210>	41849
<211>	572
<212>	DNA
<213>	Glycine max

<400> 41849

16698

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 tccaaatgac ttgcaccaaa tgtctcaatc tt 572

<210> 41850  
 <211> 516  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025g08a1  
 <400> 41850

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 aaataatggt tgcgcatatc catgaaatat gaatacatgt tgctcttctg aattgaaaat 120  
 gcaatatttg caaacaactt gaacttgttg gggttcattta aatcttcaaa ttgcttcaaa 180  
 accctggtag tataactagta ttccgtctct agcaagcaga aagcaaggag gcagtgcacat 240  
 gcatttctgt tgaactaaag ggggtgatcat cttctgttct gatgattcca agcttgaggat 300  
 cctcttcacc ccaatccaaa attggtttgg actccccatt caagttccat agatggaact 360  
 cctccttgct aggtccatg ttttctttag aacttgtttc agatttctga agcatttgat 420  
 tgttggtgcc aagatcatca tcctgatatc ccttggttcc cacactaccc aatgacttga 480  
 aggggtccacc ttgatggctt ggaaatttac agctac 516

<210> 41851  
 <211> 487  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910025g09a1  
 <400> 41851

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 aataagtttc ttcttgattg tcttcagact actatgttgt tgaagcattt ctctgtgatac 120  
 attaagtggc aaagtgtcag aatcaacaag acccagcaaa aagtttaggt acttgggcaa 180  
 cagttcatta aattcatctg aatgaacac acgtctaaca tacaacttca ggttcgattt 240  
 gtttgcgta taatagctct catataaatc ttgaggtgcc ttaggtggta caaacaggac 300  
 tgccttgaac tcaacatcac cctcagcagt gaaatgactc catgctaaag gtttctcatc 360

actgaaatcc ttggcaagag agtggttagaa tttggtgtat ttttcttctg taacctcttt 420  
 tggattcctc agccatatag ctttcacatc atttaaaagt tcccactcat aagttgtttc 480  
 cttcact 487

<210> 41852  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025g10a1

<400> 41852

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 catggatgca aaaagagagc taccattgt ggcgccaaag ctttgcaaaa gatattggga 180  
 tcgttgctgc aattgctttc gccactaaca catcatggga ggttttcata cgccattaac 240  
 acttttaggc agctaagctt ttogaagcta tctcaaacac attctccgat agtccattag 300  
 tggacatgat cctctccaac tgcgcctttg caagcttttg tctgtcttca tcataacgcc 360  
 ttcatcttga gaaggctgac accattctcg aggctacctg aggatttagc ttgtcaagtt 420  
 gcagcacaat ctc 433

<210> 41853  
 <211> 507  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025g12a1

<400> 41853

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 atacatcaca ggtagaatct actttgaaat cagatacatg tagaaaagga acaaaaatct 180  
 aactcgagat caagaacctg ccgccagaa aaaggaccga ggtaaatggt tagttctttc 240  
 aactgaaatt tgctccaatc gagaatgctt cacccaaaaa tcagcggcaa tgtgagcagc 300  
 tacgaatata aattcagcaa gaggcctcaa agatgaaaat cttcgaagtc aattaagaaa 360

aatctccaca ttaaattgatc actaagggcg gacaagttta gttcatgtct ttgatctctt 420  
 ctgcttttga ggaacaaaac ggacccctg tttcctgagt tccacggctc tcaactttccc 480  
 atcgtctaata gcaacatata acttttg 507

<210> 41854  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025h04a1

<400> 41854

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 cgacaaccta ataataagata cattatacat gcattaaact agttgaagaa gcaggggctt 180  
 caatttcata cttaattccc acccaaatta aagcacttaa tcttccatga ttgccaaatt 240  
 aattaagtag cccatggggg ccttaaaaaa ccttgggata gaaatttttc ttttcttatt 300  
 ttttgaagaa gaagaaaaaa aaaaaaagg gctaaaagct tttacagcct atcttattct 360  
 ccaagagcaa ctgggttacag ttagccgggg g 391

<210> 41855  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910025h06a1

<400> 41855

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 gccagcttt taatgaacta caaactactt taaattacaa aacacagggg aaactgggaa 180  
 gaaaaacaac cccaaaaata ggggttaaaa aaacacattg tttgaaacac acaaaaaaaaa 240  
 aattgttcaa tttgaacaca agttaaatct ccttttttta actttgctgg acagccaata 300  
 aatgtttgc aagctttatg tttgaaactt tgctaacata catattggta agggagggaa 360  
 gaaacaaaga gaactattaa ctgcttatgc catgcaacat aaattgaaat cgccaaaatt 420

ttaatttaag gatcat

436

<210> 41856  
<211> 390  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910025h07a1

<400> 41856

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aaatccagaa gtggctagtt ttttggttca ccaaaagcct catacaaaat ctttaacaaat 120  
gaaagcaggt ggctgctcgc cacaatgata aggcaaatgt aacaaaaaaaa aaaaaaaaca 180  
gtaatataag atatgtgaaa aacaggtaac ccacacctgat aaatgctttt gattgaagtt 240  
tgcacccaat gtagatatga agagggtataa cgagacctct tttgcaccat ctaaaaaatt 300  
tgccaaaaac agcagaagaa ttccctgtaa tgggggtgatc atttcacagt caagatcttg 360  
atgacagaag cagtgtccac acgatgaagt 390

<210> 41857  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025h10a1

<400> 41857

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ataagaaaac aaataattcc aattcatata tgaacatctt tgccctcctta tttcttgaaa 120  
atgtggaatt ggaattcccc gaggaattcc gatctcatct ccttttggtt caggataggc 180  
ctaataagaa aacaaataat tccaattcat atatgaacat ttttgccctc ttatttcttg 240  
aaaatgcgga attggaatgt ccccgaggaa ttgcgatctc gttaactttg gcttcaggat 300  
aggcctaata agaaaacaga tgattgcact tcatatatga acatccttgc cttcttattt 360  
ttggaagatg tggaatcgga attccccgca g 391

<210> 41858  
<211> 506

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026a03a1

<400> 41858

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atgtgatgaa tagaaagcac tctgtacaca ttgacgggtg aacccttttt ggtgaacgcc 180
tggaagca aaaagccata acgggcaggt agtttgggaa actgagattg tgtcttgag 240
cataataaat aaataaagtt gttgttgttg ctgctgctgc taacagtaac aagaataagc 300
aaagtgggtt ttgttgaga cataaggaga gaggaattg gaggcagaag cagatgtagc 360
tggaaccagt atgcgtgtt ttccagaacc tattctcttt ccaactacat tcgcatagaa 420
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tttctcaaat tcagaatcta gaaact 506

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<210> 41859  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026a05a1

<400> 41859

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acaaacagct tttaaacttt aattattaaa ccatgggggtt tccctaccct aaataaaaca 180
acaaaaccgc cacaccattg gcgaaaacaa tacataaatg gttttgaaaa tgcaaaattt 240
gatttggtt ttaaaggaat atccagtaac ctacaaaca tgtttgggaa aacatgttca 300
attactgggg ggcaaatttg attcccttct caattgatga ttgagttca ggcttaaggg 360
tttcgaggcc ttgttgctca aaatttgaga ggggcccaa gccagaaat t 411

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<210> 41860  
 <211> 588  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910026a06a1

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 aaaccttggc ctgctcctga agcgtgcag tatattgatg ctagagcaaa tggaacactg 180  
 aaagtaatcg caagaggaac tccgagaacc ccaaagaaaa ccatggaccc aaccaccacc 240  
 ccttcggagg ggtgaccacac ggcgggcgga ttcattctgc gctggtgctc cgccaccttg 300  
 gtgatcacca ccgtcattcc gaacccaatt gccagaataa agttcacaat cgcccacagc 360  
 ctcttcactc ccccaaccat cttccccaac ggctccaccg ccagcgacat gaagcccaaa 420  
 acgacggcgt ttaccatcag ccctagcgac ccaacgcgca ctccattggc gtacgcgtnc 480  
 tccccactt gaccaccgta cacctcgcgc cccatccaat cgggtgtcgaa caaaagtaag 540  
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<210> 41861  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026a09a1

<400> 41861

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 gaacgaggac caagcagttg gtgaaatcaa attaagtaat ctaaatagta atttttatgt 120  
 aaaacaaaaa aaaaactcat tgggtattatt tttcaattag ttactcgtcg ttaccgctta 180  
 ggtgattgac cttgttaccg cgcggcgcgt tgggggcatc gacgacggtg gcggcgga 240  
 ttttcatttg gcaaacccta accgcttcga tgagcctttc cggcagcttc ttctcgtctc 300  
 gcgcctccac aacaaacccc atatcgatgg tgacgctggt aacataccc 349

<210> 41862  
 <211> 460  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910026b02a1

<400> 41862

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gagtatttag tcgatggttt cagaacctca caaaaactct catttccta agcccaaaaa   120
gcaaaccaat aaatccaaga gctaattgct tataatgtaa acccgaaaaa agaaaaaaga   180
aaacgcaaag aagccacacc ctagctaacc ctatttctaa agggtaatat tcagatttag   240
aaaaaagaaa acaaaagaac cacagaacac aaaagcaagg ccagaccccc gtactattgt   300
atcaacgagc actggaaggg cagtccctgg caaaatgccc ggactcccca cagttgtagc   360
agctttcggc ggcaacccca ccaccgncgt accttcacc gccaccccca ccttggtgc   420
agtccttagc tatgtgacca gtctgccac acttatagca   460
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<210> 41863  
 <211> 570  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b03a1

<400> 41863

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ctagttgcat gtatgtctca agtccaaata aagatggcaa aaggaaatga aaaagatagt   180
ttgcctaaga gataacaata tcacaacttc attttgattt atccagcaaa aagttgacat   240
taattgactc caaggagaaa gatctccacc tcacagaaat acagcctcag acttccttct   300
tgattgagcc tttcaattca ccaccggaag gtatcttgaa ctgaagattt gttattgtag   360
ttctcaacag accatctcca actattaacc tcagcatctt cacaaaatca tcccgcgata   420
tatgctttga cctgaattgt tcataatata ttttgattac atccatacc ttgggaggaa   480
cctgatttct gatagcatca agaagcaaag gaaaaggcat ccaaggggat tttggaactt   540
ttgggtgcta gcaaccatac taggagcttt   570
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<210> 41864  
 <211> 537

0953143-03200

<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910026b04a1

<400> 41864

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gtacatacac caatatatta cataaggtaa tatgtagatt ctaaattaat ttattctagt 120  
aactagtaac aactcagaaa taaacaacca acggcagaat atgatgttct ctgggcagtt 180  
aagctcatca taactagtca tctggctacc agatgttggc ttattggggg cttccttctg 240  
aaatcttaac aattagaaat ccttgggtcac aaccaaagtc aagctgagat gatcctttct 300  
tgtatccaat actccatact ctcttgagac caaagttcaa cgtgggttga agcctgtaag 360  
tgacagcatc ccatatttta acagtagaat cctctgaagc tggtattatt ataggaagct 420  
caggatgagc acatattgct gtaacattgt tttcatgtcc ttcaagcgtc tgtacacagt 480  
ttctagaatg ataatcccat accttggcag tgtaatcatc agaaccactt aaaagat 537

<210> 41865  
<211> 542  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910026b05a1

<400> 41865

gatcacaaca aaattttaat taaaaattcg aactaaaatg taagactttt aaacataaac 60  
gcacaaccat tgtatagtgg ggaaaaaaca aaacgcttga cttgaagcgg acaatttttc 120  
ccatttacat tgtatcacta tcgtctaaat aaatgactcc atgaagcaca tttgcagcag 180  
cacaaaatgc acagccgctg ccttttatta atccatagat gccatcatac acagcactgc 240  
attactaacc atgacgttca aacttcagtg gctgaccaac ttaagagagt ttgccttctc 300  
ttgcagagaa tccaggaggc tgtcaaagct cttcttaaac gagtccactc cttcaagttc 360  
aagctgggaa ccaacaaagc tccagtcaat acccaatttc tggagagcat tgtatattcc 420  
ttcagcttca gatgcatttg agtctattgt cctggatagc gtaccatgat caataaatgc 480  
ttgaagggct tggctctggca tggttgatac agtgtccggt tcaataagag gagcaacata 540  
ta 542

<210> 41866  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b06a1

<400> 41866

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 aattacaagc aaaagtgaat aactaaaatc aaatatacct taacagaacc aactgaaaat 120  
 acacctacaa ttcataatat cgtcaatcaa tttaaagaa actgagtcac catataacat 180  
 atggcccaat gataattatc atcaagtcac aaaaagggga aacagggcta cattcacgca 240  
 ttaattttac ataaaaacat ggatacacia gattgctgag tgtcacattt gaaatctata 300  
 tacagcaaag cagccaagcc tgggtagact gtaatttata ccaaacaatc gtttgcagtc 360  
 gcctgaggaa aaaagcaaca caaggaggtc tgagaagatg agctttgaaa tttatc 416

<210> 41867  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b07a1

<400> 41867

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 tgaaaaaact caagaatatt caaactggca tcaatggtgc acttcaaacc cggggtgtct 120  
 tcttattgga cacagctttt ttattttcca aatgcgataa ttttttgggg gggcgaaaac 180  
 attctgaaga cattttaaag gaagtttttg atgtccaaag ttttgacatc gaccgattca 240  
 ggctcatcct tgaattcctc cctttttttt tgaggttcca ttgcctcgag agcatccttt 300  
 ttcagctcct ccaggtgtgc tttggctact ttaagttcta gtcctttttt atactttgg 359

<210> 41868  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b08a1



gcaataattc ccaaattacc cttcttgggg tcaatggcag ttgcgtagac cgtgtacacc 300  
 agaccgaagg tcattacgat ctccaacacc aaggcggtgc caactccaac ttcagcggag 360  
 agtccgaatg ctggaacagt ggaggcgggtg acgaatgcc aaggaggga ggcgacgatg 420  
 gagccgagga gctgggcgat gacgtatacc atgccgcgga ggaaggatga 469

<210> 41871  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b11a1

<400> 41871  
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 tgatccaact ataatgggtc atgggtattgc tccttgagct ccaccctatt aactccgtga 120  
 cacttatatt gataacaaaa aagagccgtg cattataaag atatcctctc cttcctcatc 180  
 atcttaccgt ctttcacgtg caacctacta atagatactt ctaaggagca gcgagatcct 240  
 tagaagcctc acagaactcc agattattgc atgcgggtca ccaacatacc aatagacaag 300  
 agccctcttg gcgaacatca cagcaaactt ggggctgctg cgacagaacc cctccttacc 360  
 tgtggcggtg cagctgatca tgcttacagg acgctgaacc ttacc 405

<210> 41872  
 <211> 530  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c01a1

<400> 41872  
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 tgtagattag tgagacgtga tgaaaagtaa tatgaatcga ccatgaaaca tggagctacc 120  
 taccaccttg gcaaacatga tcaaattggtc tccgaatctt gtttctgcac ctccccttta 180  
 caaagggtgca tatacacatt atcacgtagt tcacgggatg aaaaatatgg agccaagggt 240  
 tggctgttat tgaactcaat aaccctcgtg tcagaatcaa cgcacccctc atcataacta 300  
 ttacttaciaa ttcaaagtgc tcttaagttc atgaagggaag ataattctta tgactagttg 360

tagtgaacac agtcaacgga aatagtcttg aatataaaac aaacaagtat atagcatagg 420  
 caaatctaca agagagatct ttgataaaca aacaagcata gcataaatcc acatggcaga 480  
 tctttgattc agatTTTTTg agattaacaa aatcattcaa atgcccattg 530

<210> 41873  
 <211> 579  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c02a1

<400> 41873

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 gagaggtaca tataaaagcca gaagaaaaat atataagata cttttcttcc acagtctcta 120  
 gtaaaaggac cctaaaaaaa taaaatatga catcataggg ttttaactga tgatgaatct 180  
 aaatttaaca tcgacgttcc tgaaacccca ctacaacata tttgtcagaa tctagtgtcc 240  
 acttcaatct ttctttttat ctttcagagg tcctctgggt atcttgctca ataccttcgc 300  
 atcaaact gcatattgct tcttaatctc ggcaattgct ttctcaccaa aagagtcgac 360  
 atgatcttca tatttctcat aaagcacagg cacagtgtga agcaaaacaa aagctatgta 420  
 gaacaaggtc aagaagttgg cccaacaacc cagaatagag aaaaccata atccagcaat 480  
 cactgataag aacttcttga gatccctccc agaagcaata tcccttaaca ccgcaaaagc 540  
 ccgattgatc tcaattctaa gagcagaggc aaattttaa 579

<210> 41874  
 <211> 517  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c03a1

<400> 41874

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 aacattcgct agaaaagata agcatctttc tccaagaacc gccagactcg catgaaatca 180  
 ccagacaaga ccaaaatttt tcaaagtgtc catgctttgc tggcaatgtt gttagaaagc 240

cagtccaaac cctcatagag accctctcca gaagttgcac aagtgtcttg gatataaccag 300  
 tggcggttgac ggagtgaatg aagtccaagc ttgtcagtta tttctgcagc attcattgca 360  
 ttaggaagat cttgcttggt ggcaaaaaca agcaaaacag catctctaag ttcactctca 420  
 ttcaacattc tgtgcagctc atcccttgcc tcaaccactc gatctctatc attgctatca 480  
 accacaaaaa tgagaccctg agtgttctgg aaataat 517

<210> 41875  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c04a1

<400> 41875

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 gggggggggg ggggcccccc ccgagtgagg ggggaaccca cacttttggg atccccaaaa 120  
 aaaccgttta ttcccccaac gggggggggg gtcccccccg ggggggataa tccccccccc 180  
 gggaacaaaa agggggaggg gcaaaggggg cccccctgcc cccaacaaag gggggggggg 240  
 gggcgaaaat tttcccccaa aggggggacc ccggggccta aaggtttaaa aaaaaaaaaa 300  
 ctttggggcc aacccccccc caatttttaa acccccctta aagggggcgg gggacccccg 360  
 gggggtcccc ccaaaagggg gttttccggg gccccctcc ccccgggggg accaagggga 420  
 cccgccccgg ggtttttttt cccccccagg gggggg 456

<210> 41876  
 <211> 533  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c05a1

<400> 41876

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 tatgggacgc ctgtcctggg gcctctcatc tggttgttct cctctgtttc agtgaaaaat 180  
 ttaacttctc tttccatatt ttcattgaaa ctaagaatag aagctacatt tccacaacgg 240

taacagtaat taggtgcgga ccatacagtt acaaggcctt tatcctggaa catataactta 300  
 agaccttctt gaacgagttg gtgtgcccga caaaccagat caagagtgtt tatgtttattg 360  
 aactcagaag tgacccggga tccaaaaagc caaccagctc cacgaggact gactgcccatt 420  
 gtttcgatat cttcaggatc actccacatc agatcacaaa atgggtccctc atgaggaatt 480  
 tcacagtgcc tctcaatgac ccttatctga tctattgatc gaatgtctgg aga 533

<210> 41877  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c06a1

<400> 41877  
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 aaccgccggg ggcactcccc ctgctaaagc gacgctttat cgcgtaataa atgataagcg 120  
 tggaccacac cccatcctat tgtaggggga tctctaagaa atagctttat accgtcccaa 180  
 cggcaacctc ttgtgcaatc gttgcctcaa tttctatttg agcagcctgg gattaaacct 240  
 aggcccagac acaatgtact ccgtgagcta caatctttcc aggatgatcg gcaat 295

<210> 41878  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c08a1

<400> 41878  
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 tactcttgtg cttgccagtc caaacgcatt actaggtagt atacacatac aaacacaaca 120  
 caaaatcaaa gtgacaacca tcgattaata ataaatatgt tggacaaaaa aaaaaaagaa 180  
 caaaaatatc tttctcttgt tggttttgaa ggcactttta cactcctaga ggggcaagag 240  
 gttgctgcga tctgatcctg ctctttctca aacgctcggc gatgatgaaa gcaagctcaa 300  
 gagattggga agcattgagc cttgggtcac agtgtgtgtg gtaacctgag ctcaagttat 360  
 caaatgtgac cgttcttgac ccaccaatgc acacggccac attctgaccc gtcattctcta 420



gatgaacccc tcctgggtgg cttacttttt gctcgtgcac attaa

465

<210> 41879  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c10a1

<400> 41879

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 tatgtacatt gtgacaaata tgttactac ttatagacta tgttttgttg ggcccagaga 120  
 tccaacgctt tctcctcaac atacagcttt gatttggatt ttcttgggac caattacata 180  
 cttttcgact tgagaactac tttaaacccc tttccaactt ttacacttgt tgttcattta 240  
 ataaggacag aagccgactt ccgtatatct ttgtgaagat acctctcaat atgtttatat 300  
 atgagcaaaa gaaagacctg tgtccatgtg gcgactatac aaattgtaac taactggtaa 360  
 caaccgtcta tctgatgaaa atgggtcatt ttgagtcaga gacatctatg cacaggaaac 420  
 gacatttt 428

<210> 41880  
 <211> 573  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c11a1

<400> 41880

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 aaaaaaattc aaattattct tcagtagcaa accgttgttc tttttcaaga gaaatacatg 120  
 ctcaagtaat gaaaatctaa gtggggcaag aaaattagaa actggagatc ataatggccg 180  
 aagtaagctc aacttccttg catttaacta acaaattctt atgccttgtt tgcaatgttg 240  
 tttgagagcc agtcaagtcc ttcataagagc ctttcaccag atgtggcaca tgtgctctgg 300  
 atataccaat gacgctgccg gaggggaatga agaccaagct tatcagttat ctcagcagca 360  
 ttcataagcat ttggaagatc ttgcttgttg gcaaaaacta gaagcacagc gtctctcaac 420  
 tcatcctcat tcaacattct atgcaactga tctctagctt caacaactcg gtccctgtca 480

ttgctatcaa ccacaaaaat aagtccttgt gtattttggga agtaatgtct ccacaaagga 540  
 cggatcttgt tctgacctcc aacatcccag aca 573

<210> 41881  
 <211> 528  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026d01a1  
 <400> 41881

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 taccaccttg gcaaacatga tcaaattggc tccgaatctt gtttctgcac ctccccctta 180  
 caaagggtgca tatacacatt atcacgtagt tcacgggatg aaaaatatgg agccaagggt 240  
 tggctgttat tgaactcaat aaccctcgtg tcagaatcaa cgcacccctc atcataacta 300  
 ttacttacaa ttcaaagtgc tcttaagttc atgaaggaag ataattctta tgactagtgtg 360  
 tagtgaacac agtcaacgga aatagtcttg aatataaaac aaacaagtat atagcatagg 420  
 caaatctaca agagagatct ttgataaaca aacaagcata gcataaatcc acatggcaga 480  
 tctttgattc agatTTTTTg agattaacaa aatcattcaa atgcccac 528

<210> 41882  
 <211> 367  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026d04a1  
 <400> 41882

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 gggggcccca aaggggggggt tttttttaa aaaccccca aaaccaagg gggggggggg 120  
 gggggccctt aaaaaaaaaa ggggaaaaaa aaacctttt ggggggtgtt atgggggggg 180  
 gggggccccc cccccaatt tttgcccaa gggggggaaa aaaaaatttt tttttttttt 240  
 ccccaaaaaa ggggcattaa ttgacccccg gggaaaaaaa ccccccccc cccaaaaaaa 300  
 aaacccccg gttttttttt gggggggggg ttttaaacac cccccgggg ggggttttta 360

cgaaaaa

367

<210> 41883  
<211> 321  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910026d09a1

<400> 41883

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tgaagactag caataaaaca gggttacctt aacgcataac atagactgtt cacatggata 120  
cacaagacag ccatgtggac caattggaaa ggatatacag taatgcatcc aaccctggga 180  
tgtgagctat aaagacccaaa gaatccagcg ccttatectt ggggaaagcg cagcacacca 240  
tggtattcaga agatcaacca agaaccatag cttccttacg gccattgct ggccgctgt 300  
aaagagcgac tgaaaatgct t 321

<210> 41884  
<211> 474  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910026d12a1

<400> 41884

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agcagatcgg cattctaatt cgaaagcagc tatgaatctt aaaccaacat acaagacgca 120  
gatgactatt gcggccacac aggaattaaa tattgctaga acaaggcata tgatagcaat 180  
gaagcatgtc aatTTTTTctt ggcaatgaac aagccccaca tttgctcttt agatgcaccc 240  
ctgggtctgat ttgccttcca tctttcgacg atatgattgg aggcttctc gctgaagtga 300  
ccaataaaaa cggccttctt gttctcaagg gcatttaact cctgctggag cgcgttcaca 360  
aactgaacag atcgatcctc aggactgaca ttatcaaac cgcattctc aagcatctgc 420  
ctatacgctt taatgagaaa gagagtatat cctccttttt ttatgtactc agca 474

<210> 41885  
<211> 565

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026e01a1

<400> 41885

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 cttcatgttc taaaataact ttattctcct aaatacatat tgaaagagca agtttcgttt 180  
 cttattttca ataaacaaac tgaggatgac tgaaacacat gattatagct acacatgaga 240  
 ctagatcaaa agccaaacca gcaccaagaa aggaaataaa tgtgatatga atgaatcaaa 300  
 cagtcaaata taagaacact cgggacggtg taaccctgcg atgctagact gcctcttaca 360  
 attggaaata acacattatt tgagcaaact accataccaa atcttcaatc atcgggtttc 420  
 gtcctcaagg ttgcggaaac cattagtcag gtcctcgtgt aacttctgaa atttagcaac 480  
 caaagcagct tccccctctg ctggatcctc aaatttctga gacactaatc ggtagaacag 540  
 atctcccata cgatgcttga taagg 565

<210> 41886  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910026e02a1

<400> 41886

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 tattacaagg gaaaacaaaa ggccctcttt cttaagggga tacacctaac caatgaacaa 180  
 actgaggcag tcaatatatt caagatttgg acacgattac aagggtcgg tcgtgactta 240  
 acttgctatg ccatgcattt acacatcatt cttaaccgc gtatcgatgc ccgccggaca 300  
 gttagcaaac ccaggtggta cttagactgg acattgtata tgtcatgtgg tgctgccgta 360  
 caggccgtcg gagctgga 378

<210> 41887  
 <211> 471

[illegible]

<400> 41887

<210>	41888
<211>	317
<212>	DNA
<213>	Glycine max

<400> 41888

<210>	41889
<211>	493
<212>	DNA
<213>	Glycine max

<400> 41889





<223> Clone ID: jC-gmro02910026f05a1

<400> 41893

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 cccaaaactc aaaaacagat tcgcatctga aaacactaaa aagcttaacc taataacgtc 180  
 caatagccca aactctgacc acaccatcgg tatagccact aaacaaagtg cttccatcgg 240  
 cactccagtt caaacttggt caataaataa cttcttctt gttggcggtta ccaccaccgg 300  
 aggtggcatc agcctcagtc ttgaggtcaa cttcaaatac ctcaacgata ctcttgctct 360  
 ccaaattcca gatcttgatg ctctgctcgg tggcggcgca gagccagtac ctgttggggc 420  
 tgaagcagag tgcattgatg attgagccag catcgagaga gtaaagacgc ttaccctcag 480  
 ccaaattcca cagaagaata accccatctt tgccaccact ggacacagaga gagccatcag 540  
 gggaaaacag cacagtattc acatacc 567

<210> 41894

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f06a1

<400> 41894

acaacggaac caaccctaatt gggaaaaatg gaattaaact ttactataa aagtaaccgc 60  
 cacatttttt gtcattaaaa aaaaggaaca taacgtagat tttccatcc cttaacgctg 120  
 gttcctctca ttgtttccc aaacaatata ttgacacata agaaaagata taaccctgat 180  
 ctataaataa ttgggaattc actcctggta taaagaaaat gaaccagtc gcctaattggg 240  
 cacctgatgt tattcatgcc ggtcaccaga agttgcatca ctttttgtct aatcagttgc 300  
 tattattgat ctattccttc gaatctggtg cagaggacac acgtagtga ctataatctt 360  
 gtgttttggg gagggaaaag ctaccacgc 389

<210> 41895

<211> 474

<212> DNA

<213> Glycine max



003330"032200

<223> Clone ID: jC-gmro02910026f07a1

<400> 41895

gattgcatat tatttacata tatgatgctg catattatac ctttaaggtgt tatatatata 60  
tatatatataa gagagagaga gactaagact aaacttcagt aaatgcatgt ttggtatcac 120  
atcctacatc tccaaacagg ctataagaaa tctgaagcaa aatcacgtga aggatgacag 180  
caatccattc acagtttcat ctagggaaac gatgcttggt gagtccaata aagtaggctt 240  
ccttatccag tattgctgaa acctctgcct tccatactcc ttatagtcaa agtcaatttt 300  
gttcacataa ctcgaaataa gtccccacaa accccaaaat agatgggttg caagagtgt 360  
tttttctgca gctttcacta actggttcac tttaacattg cttggtttat tgccttcaga 420  
actcagatag ttgcgaataa atctttgacg ttcctctagt cctggatatt tctt 474

<210> 41896

<211> 568

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f09a1

<400> 41896

attgagatca aatatgggta aacttacatt gaaaactcta caaaatgtac ataaatgatt 60  
caaacaagca tatcacaaca caaaaccaa gaattttctt cagatgtgag accccaacat 120  
ttatactact ttacaacaat aactaactaa tcatacttct cctccacat gtacacaaga 180  
aagaagagcc aggaagtggc caatgcaatg tccccaacag catgcctagg ccagtcatgc 240  
gcaagatcct caagcttccc ctcaaagtag aatctccaca ctgccataga gatatgaaga 300  
agcacacacc ctttggcaaa gaaactctgg aactcccagt ccttaacaca agcaaccatg 360  
aacacaagga accctattgt gaacaacagc aagccagaga aggaatctga ggtttggatc 420  
agtaactgat catgggggtgt tgacccttga agcttgcttg cagtctttgg tccatgcccc 480  
aacacactta actctttgga ataaaacacc atcagggatc cacaagtcaa agctattgca 540  
gaatgcagaa cacatatttt gaaaaagc 568

<210> 41897

<211> 501

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f10a1

<400> 41897

gtactgtaaa gataagtatt taaaataatc ttagctgtct gctaccaata tgttttgagg 60  
gtttaaaaaa atacctgagt cataatatat aatcgggttc aatccaaaat ttcagacatt 120  
ttaatacaat cttaagaacc tcgcatacct tacaaccaag ctacaaattt aaaataatac 180  
tacagtttag aggagagcaa taaaatccat cctacttcaa cacacagttt tactaggccc 240  
cgttaggaag ccccttgaat tgcagttgca gggtgcatgg ctatatcctg attctgtctc 300  
acagcaaatc catggcctcc ataactctga ccacaaaat agcctccatt ggaatcagat 360  
ctccaatgct tatttcttgg actgcgaccc caagaaagtc gcactgtctg ctttccaatt 420  
actgtcccat tcaatgcgtg aattgcttcc tcagcattct ttctgtctgc aaattgaaca 480  
aatccacacc ctttaccac t 501

<210> 41898

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f12d1

<400> 41898

ggaagtcaca aacaagttta ttttacatat atgtaacgtt acatagaccc tacaggatac 60  
aaggccatcg ccatagcaac ttctacaaa cgaaaaagtc caaacctcat tgggctgcct 120  
acatatcaaa aaccacccat atcagatata agcacacatc agttttccaa aggccatatt 180  
tagaggcctt caatgaagtt gaccccagtg ttcttcaacc aaacattgcc ttggatgagt 240  
tgtgctaccg ggaacttgct ggcctcaact gcagttttga tgatatggta accaggccaa 300  
ttcactctct tgctggtacc ggcaccgggg ccattattca tgtactctcc ataatacaac 360  
gtttgcaaaa agtctttact ttgggcatcc cattcagccc atcctgttgg gtca 414

<210> 41899

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g01a1

<400> 41899

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gatccacaaa gctaaaaaat agcactcttc cttccattga tgttgaatca aaccatatta   60
aagattccca gagagggaaa actaaaaaac ttgcttctat agttgctagt tacatgctat  120
ttacagtatg aaatgaatct cataacccaa agctgaaaaa aaagaaagta ttactattct  180
ttgcaaaatt gccatcacca ttcaccaatt aatcatccat aaccaagtc ctgctatgtc  240
tccgcgagct tctattgaag attgaactca cgtgactacg gcttctactt acagacccat  300
gtccagaaga agagtttcta gaaccaattc ttccaaagaa tgaaaagaaa ttgctaataa  360
ctctacaaa ccctcgactt tccctaacce tattgcttct aacagaacga gaaattctcc  420
taggagcacc accgttcgtg ttcagtccac cgtccatctc cgtgtacacc accgggaaat  480
gactctcgcc tgttctccgg ccgcgggaga atctccccac g                        521

```

<210> 41900

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g02a1

<400> 41900

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cccctgaaaa aaggatatttt gcccggtcc ctgtttttgc ctccccctgg ggggaaaaaa   60
accttgaaaa cccatgggtca aatcccaatt ggtttttgtt ccggggggggg taaaacattt  120
taacaaaacc cttccttgaa aaccttcgag acggggggccc ttttttttcc ccggggacat  180
aagcgggaact ttttaacctt ttttttttga aatttggtcaa aactaaaaac gttttttttg  240
tttggggaaa aaccacctat tccccccctt tctttttttt tttaacaaaa cagggaattc  300
ccttttccga agggctcctc ccattttttt tgtgggggag atttttttta cctttccggg  360
ggttcttttt gctggaaatt tttgttttgg ttggaaaact gcccttccca tttttaggga  420
attgcccaaa ctgggaaaaa attttttt                                447

```

<210> 41901

<211> 452

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g03a1

<400> 41901

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ccgtaaacct ttttactctt tttccaacat tttctttcca cagaatcaac gcacaaaaag   60
gaaagaactt tcaatacaaa aagacagaat ccaagatgaa atcttggggc agtaataatt  120
cattcatttc ataacctaaa acaaataaat ctaaaagcca ctttccaaca acgaaaacgg  180
ataaggcggc accgcattcc cctccgccgc catttcccca aaaaaaaccc cacgccccaa  240
ataccctcct cccatcgtcg gaaccgccgg cgccaccacc gtcaacggcg ccgtcacggc  300
gccacgattg taccatgac aacctgttc ccccaatac ccgcgcgcca gaggcgaaca  360
aatattatta ttatcgattt ccaacctgt ctccggcgac gaagacatga tattataatt  420
accttcgtct tcttcgaact ccgtcttgat gc                                452
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<210> 41902

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g04a1

<400> 41902

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atccaaagcc aaaatttgac acataaattt ggttttttaa aagcaaacca agcaaaaatt   60
ggacacaaat ttaaagggtg catttaaaaa gcaaaccaac aacgcaacgg gaaagcccta  120
aaacttggtg ggcttaaaaa aaatgtaatc aggggttctc ccaaaccccc cccttaaaaa  180
cagaatggta aaaggggttt tgccaccggt gataaaaaac ccaatttttg gaacaaaagt  240
tgcgagatga tgggggagac ttcaaaactat gtccgaaaaa caagcttcct aaaaacgaaa  300
acacaagggc aagaaaccaa catttattgt gaccataaga aacgacatcc cctgatgaac  360
caaaccggac gatttacttt ttttttggg cagccttggt gacctggg                408
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<210> 41903

<211> 573

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g05a1

<400> 41903

gaaagaatac ataaaaattg ttattctatt tctagtccag tcttactatc agagtattgt 60  
 atacaatgaa gggattttat aatagcaaac aaggatatact acttatgtac cttgttccaa 120  
 atcagtgagg gtagtgtaaa caaataaaat gaattaaagg caaaaatagt gacgggggaa 180  
 agacatgatg taggggtaac cactaaacaa gcattgaccc aatcgcttat acattagatc 240  
 atagcaaggc acttcacttg aaattgccaa gatagaaagg agatggagag ggtattgtgc 300  
 agagaaaatg agtgttctct gcttatgact tagttgtgag gatcattcac gtagcttaca 360  
 attctgaaga tagggatgat taaatttgac atatttggtc cagtaagacc gatactttgt 420  
 catggctatc tctaaccacg gcttcatatt accattgtag tgtacgactg ctgcattatc 480  
 aatctccgag cgatctacac ttggattgta accagaccg agtacgtgcc atgatttatt 540  
 aagtggatgt gttaatccat agaatgtcat cag 573

<210> 41904  
 <211> 324  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026g07a1  
 <400> 41904

ccaaaaaacc ccccccttt tttttttttt ttggaaaaaa atttattatg cccctgtttg 60  
 gcccccccg aaaaaacaag gggggattcc ctttttaaaa agtccccccc cccctggggg 120  
 ggggaaaaac ccccaaacgg cttttttttt ttccaaaagg ggggggttaa ttttcccaa 180  
 aaaaaaaatt tttggtcctg gtggaaaaaa caaaaaaagg ggggtggggg agaaaaaacc 240  
 ccccttttaa caaccctg ggggcggggg agttaaaaaa aaaggggggg gaaggggggt 300  
 ccccaaagga aaacaatttt aaaa 324

<210> 41905  
 <211> 535  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026g08a1  
 <400> 41905

ggaaaagagg agcttttatt tgcaaaatga tggcattcca tcccataaaa atctacatcc 60

acacaattta taatgaacaa gaatgtaata cttctttctt taaaccatga taacacagat 120  
 tgtcaggaga aattatagtc ttctagatgt tggcaatgga cacgggctct cggaggatcc 180  
 tctccatctg ttgtgccctg gtcttaattg acatgtcaaa gaccttctgg ctaaattcaa 240  
 gcacaagccc accaagtatg cttggatcaa tcttctgttc aagatgaacc ttcgctccag 300  
 aacctattat ttctgaaga gtctccttca atgccttttc ctcttcaggg ggaagaggaa 360  
 caacagtggc cacagtcgct tgcacttctc ctttatatgc cattgacaac tgtgcaaacc 420  
 tctttgcaat ggtgtctatg tttttaagcc ttccattctc agcaacaata acaaggaagt 480  
 tctttgtaac atccgaaaac ttggcttccc caaaaatc ctggataact ttcac 535

<210> 41906  
 <211> 539  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026g09a1  
 <400> 41906

aaacaaatca tgagttacat tacatagtgg tccaatgtta cagtgtagga agctaacatt 60  
 caaacaacct ttcaaataac aaggtaaaag ccctacacca caaaaataat tatggtaatg 120  
 gcctatctat gtgctgaacc cgagaatgtc agcataagtt gtgatcaacg aaaataaaaag 180  
 catctgctta caacatTTTT aaggttacaa caatatTTTT ctccgaaata ctttgTTTTc 240  
 taaagggtgca ggctactatc cttgcttggc caaacagtg ttagtggcag aaaagttagc 300  
 accagcgtat tctgcagtgg cacactcttc agactttctt gtcgaggttg tatgggtgctg 360  
 cactcatcac ctttcttttg cgtttttcta aaaatcgagc caaggatgct ttccgggcct 420  
 gaggtacagc tgatgtcaac atagtgggtg cactgactat ctttgagggc tccacattgc 480  
 aaacaggagt ggtgggaact ccagttgttt tatcaatact agttgagcca ctccctgac 539

<210> 41907  
 <211> 589  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026g10a1  
 <400> 41907

gaatctaact agtacagtaa aatttataaa tgtaggagct ctacagattg atcaaagtta 60  
 atttccggaa ggactacatt ttattttgtg ccaaaatgaa gagtaccgtg agagatcaca 120  
 tgaactacag tgttgcatca aatattatta ctaaaatata atgttccatc aatcctatag 180  
 tatggccatt cttgtataac ttgatatctg ttgttccatc attttctctt ctacagcttt 240  
 actcaatcat gaattttgat cagtaccagc aatctaccac ttcccccttgc tctggcaaat 300  
 cccacttctt tgggggtcct gagggcccttg gggatgcacc aaaatcatcc caaccagtc 360  
 ttgcaatttc cacgccgatt gtccgaccat aaaaatcctt ctgatccatg gtttctagt 420  
 caagcatggc atcatcttga catgtatatt gaatgaaagc aataccctta gatctttttg 480  
 ggttcatatc ttaaccatt ttaacttcag ctatcttgcc gaaatttgaa aattccttct 540  
 tgcaagtagt ctcaccggtg gaatatggta aatttttgac acaattttg 589

<210> 41908  
 <211> 546  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026g11a1  
 <400> 41908

aaaaaataaa taatgcacta aaaatctggt gtataataac aacaataatt tcagtttgtt 60  
 gtactctgaa aaatcacaaag gacaattcat ttattacgga catccttttc aggttataat 120  
 actctccttg ggcttgactt ggcacaaacc gattcctcag aaatcaattg actttattat 180  
 tatatcagca tttttcttgg acttcattat aagttctgca ttaagcctgt cgttggttctc 240  
 tatccgctgt ttagcaatgt ctggaggctt gccagttgaa atatgcctct ttaaaactcg 300  
 ctgcattgct ttgtcaatgt caatatcaat aaaccatttc tcgtcaaaca aagacgatat 360  
 ctcttccat accccatctt ccaagagcaa atagttacct tctacaataa caaccttggtg 420  
 cctacacaaa ggaagaaaac aaaggaatct gtccatgcag cagtatatat ctacaaaacc 480  
 aaaataagct ggcaatgtaa caagaagcaa caatttgaa aatcaattac cctgatttgt 540  
 aaaaag 546

<210> 41909  
 <211> 270  
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h02a1

<400> 41909

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caccaactct aacagaactc aatTTtatta tttaataaaa cagtagaaaa tccttgacag 60
gcgacaggaa ggaaggggga aaaccaggat ttttgaaaaa gggtaagggt gatccttcta 120
atTTttcaaa ctataaggcc ggggctcaat accgcaggca atcgagaagc caaactgcgt 180
tttaagtcag gggaaacagc gtgttcacca atcatggtct ccaacaccgc cgctgacaca 240
gccttgTtct ctatcactgc agcctccttt 270
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<210> 41910

<211> 555

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910026h03a1

<400> 41910

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gaaggatacc aaacacaatt acaatttaca aatacaatgt cccagtgtga aggttattga 60
agtatacaaa ataattcaga cgtgtcaggt actagtaata ctacaacccc acaatctaag 120
tattttaaga gaagtcaca gcagtgaatc attttaccta taaacaacgt gcaatgattt 180
gttatattta attatgagtt tcattccata aataatgaaa tgTtttctatt tccattgctt 240
aggTactctt ttaatcttga agagTttata cattggTgca gtgtcaatga aaagtcttct 300
tccatccctt gatgtggatt catgtttcca tgccggTcca ataaaccatg atgcagcaac 360
gccaccaacc aaccctccta aatgtcccca gttgtcaatc ccagtggata atagcccaat 420
aaccatattg agggcaatta cttgtgctat gtgtgtgtaa tctTTTTttac cacctccac 480
aaggtctttg Tgcctcaata caaatacggc aactgatcca acctgaatca ttgtagtca 540
tcngaataa aagac 555
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<210> 41911

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h04a1



<400> 41911

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 aaagggtttat ggagaaaaat tccacaggga tgatgaacag ggtttgggac ttgacttata 120  
 tccgcacccc tcccacaagg cttttttaca cgcaaatgg caccaacaat ggaaaaacat 180  
 gcatcatcat aatagtaatc accatcacca gtgccttccc tgagaaccac caccaccacc 240  
 accacctttg ttcttcccaa agaaggcatt attcttgggt tttgacttcg gtaactcatg 300  
 gatgtccatc acctgaatcg ttctttgcct tttggcaatt tcagcctctt ttagattctc 360  
 ttgaagcctc cttctcgagg aagcaagcct ctccgcgtca aaattgctat ccctctgtct 420  
 gttttgagta gcggaagcag gggttgaaac tgagggtgat ggcgcggtt ttggcctagg 480  
 ttcactgcgg ggaact 496

<210> 41912

<211> 327

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h05a1

<400> 41912

aatgcaaaca gtataatgaa aataaaatgg caaaatccct caaactgaga taataaccta 60  
 tcaactgcaa ggtctaataag ttaccaaaca ctgaaataga caacatagca agtccaaata 120  
 taaaaacat tcaaacaatca ggaagtctga ccctaccaa tagcacttag atcataaaat 180  
 tcttcaatga ctctgataag accattcaca tagactaaaa gatccaacaa tggcaaaaca 240  
 gctacaggtg caatagtccg acgtctccag aatttttcat gaaaaacata gcttattcat 300  
 ccccgtttga atttcgaggg gaaggac 327

<210> 41913

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h11a1

<400> 41913

aaaaaaaaa agaccctact ccattcccgg ggttttacta caaaaggccc actttaaaaa 60

tttcttaaaa agaacaaacc cttacaaaac attttttttt ggaaacccgg aaaaaaaaaa 120  
 aaaaaaaggg gggcttaaaa agaaaaccca ttggcattgg ggggagcccc ttttcaattt 180  
 ccattacca agggggggcg aaaccaactt tagtttccta aaaaaaaca caatagtccc 240  
 gggcaagtct ttttcaaaaa cccaatggcc cactttgatc ccacccggac cccaacccaa 300  
 ccccataaat gccccggggg gggggctccc ccccggggta tcccagggac aaatagcacc 360  
 cccgggggta aatttggcct taaaatccgg gttaaaaaa ccccttgg 409

<210> 41914  
 <211> 494  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910026h12d1  
 <400> 41914

attactaaca tgatgactta aacaatcatg ttgtacaaga tttcaagcat tgcaaattga 60  
 aatccattta cctggtttgg atgacaataa tattttataa aatgtaaaaa cttacaaaca 120  
 gcttaaataag ccagaacatt tggatttact ccaagcaatt gaggtcaaca acaacacaag 180  
 ggtgaattgg atcacatcct attatgacac agtattaatc ccaccccttt acaacctcca 240  
 tacaagtga ctcaataaga aaagaccagt taatccccca taactggaag gttcattcat 300  
 cattgccagc atcaccacca caaagtgcaa cattccaatc cctcttctaa cttttagata 360  
 attcatggaa gcacaacaga aacatgggta gtattatc accccaatca aattaaaact 420  
 tcaagcaaag ttgtttgtat ttgacattga agaccttcat cctacaaagt catgcaacag 480  
 ttgtcctcca atga 494

<210> 41915  
 <211> 518  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910027a01d1  
 <400> 41915

acgacaattg tatgtagaat attgtttaga catactatgc aatattccag tcaagagtta 60  
 ttattaatcc tatattattt acagttgcta gcatttttct tagaaaggcc aagtttggac 120

aatgtgtaac cctcaactaa ctgaacaagt cgtcttggct ggttgatatca ccatcgacat 180  
catcttcggtt agaactgtca ctattggcat tgaatgtcag tatcaatggt agaaggtctc 240  
gaactgtaga tgagttttct ccattgctta ctgtcctgac ccttcgtctt ggaagtgaaa 300  
tcagttgcat taggtcttca ggataagcta tccggtacat ccagccctta gccttcgggt 360  
tctgtcggac ataaaatttt catcaatttg catcattaca accaccacca agattatcat 420  
cgttgccatt gtcatcatctt ttatcatcaa caccattggt gacatcaaca tcatcacaat 480  
cataatcatc atcataatca ttgatataat cgctataa 518

<210> 41916  
<211> 544  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910027a02d1

<400> 41916

gacacaaacc ttaattaatt gatcaattat cttagtagac actttaaaat gttcattatt 60  
aattataatt atatgatgag ttaataatat attgtgggtta gggtagggga taaacgacca 120  
cttttctctgt ggctcttgaa gtttctaagt aggaaatggc ttcaataacc tgagaaaatg 180  
gcaactggagt cttggcatcg agtataggct tcaacttacc actctcaaag taagggtctta 240  
aattctctaa gatagatccc tttgagggtga gcacaaaaaa catagctggt ggatgtccag 300  
gtgggtactat tgtcacaact ttcccatctt ccttaacggc cttaaagtct ctatcacctt 360  
gccctactac atcatacact agatcgtatt tttctggaag gtcttcaaag ttctcctttg 420  
tgtaatcaat aggcaagtca acgcccact tccttaaaag ttcaagtttg ccggtgctag 480  
cagttgctgc tatcttagac gccttataac ttgttttagct agctgaataa catagtttcc 540  
aact 544

<210> 41917  
<211> 527  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910027a03d1

<400> 41917

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 taacagggaa caacatcaaa gatgtaaatc tttgcatggt ctttagggta catttaagaa 120  
 aatcaaatga gcaaaggcaa atggaacacg gaattccttt ttaatgacta atatggcagc 180  
 aacgtgccat attcaaattc ttccactagt tgcccatttc attttgtact cccttgacag 240  
 ctagagcttg ctgaaagcac gacaatgcat attgcacatc acttgctgat atttgggtgt 300  
 ggagaacaac tctcattctt gatgaactct cttgcatcac aaggatacca cgttcttcca 360  
 tgtacttgca tatcttttct gccctagtct ttgtaccctc ttcaatgtca ataaatacca 420  
 tattgggtctc cacagaacca gcatccactc tcagtccttt aacttctttt aatccatcag 480  
 ccaaaagtct agctttcttg tgatcacttt ccagcttccc aacattt 527

<210> 41918  
 <211> 526  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027a04d1

<400> 41918

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 cagggaacaa tgaatatatc ctgtgtgata taaagacata tatccacacg cacacacaaa 120  
 acaagaaaca gaagtttcaa acttgaattg atactatcta aatgacacag taactcacag 180  
 tcactaatgt gcaatgaccg attccatgta aagtttgaat actaatacta ataggtatgg 240  
 cttatcgtac taagaagctg aaaccaagct acgattactg cctacaaaac ttggaaatcg 300  
 tatcaagcat gtatctactc tctgaagagt agttcacctt atcagccttg accacagtaa 360  
 tcttcacctt ctgttcacg ccatataatt cctctttgat tttcagccta aacatgaact 420  
 ggttgaagag tcggctcttg attatttctc caaacttttc atcatcctgc tcttcatggt 480  
 taaaaagtac agatcctttg ctgagtaatc cataatctct tcccct 526

<210> 41919  
 <211> 571  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b01d1

<400> 41919

gcagtcacctg cagaggtaat atcttctacg tctgtagtat ccccaccacc taaagatata 60  
 tcatcattgg ttgtttcact ttccacagat ctaatggtat ctgctctagt ttcacagct 120  
 gagagaacat tcatatgaaa ccatccaaag gtcgggtttgc tgattttagg attcttagct 180  
 ccacattttt gacatttctt atgttttttc gtcagcaatt tccttagaac agacattgcc 240  
 tcaactaaatt gaagggagggt ccaattttct cccagttgct cagcactata aactggctc 300  
 tcatctccat cacctggatg tatgaattca tctggattaa aagaatccac actttttcca 360  
 gggataatag attccaaacg ttttgccctg ataatatccc ctttcattat gagctccaat 420  
 tgggatgtac gaatatcaac ctctttgctg ggggcccga aatgatggca agtgaaacaa 480  
 gttctttgca gaattttgct aagaatattg aacatcagag ggttgtagac aggggaaacg 540  
 agctcaatat gaccaaata cctgggcaat g 571

<210> 41920

<211> 558

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910027b03d1

<400> 41920

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 cgattttttt tacaattttt ctgcggcagc tgcattgtatt agtttttaga attggtcttg 120  
 aatcattcat acaatggctt ttgcatttgt ttttgagggg gaaacaaaat ctttaggcaa 180  
 agcttttttg acaacgttaa ggggacatca ggaatgtgcc cttcaatcca aaaacctact 240  
 aaaaatgaat ctgaaatcca caaataatga accaacaaca aatctacaca atttgcaagc 300  
 aaggaaagct cacaagccta ggcattcatca ctccaattaa atgtctcggc aattaaattc 360  
 aaactagata acctcagcag caacagaatt caaattcttc gaattggaac cagaaacccc 420  
 atcctgtttc gaagtagtct cactctgacc taaaatctgg cctttactca agcctaattgc 480  
 atgcttgtcg ctccaacaag gccggtacag attcctccct cttatggagt atcttccact 540  
 tccanacctg ctggagct 558

<210> 41921  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b04d1

<400> 41921

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 acaacaacct ctgaacaaac tatccaactc cacagaattg caggtgaaaa ggggggaata 120  
 gacggtatgt attatatact tctcctgaaa atgtggggaa aaataaaatg tccaaaagaa 180  
 agaaaaaaaa ttcaaacttc aagtagttta gtcgtgtaat ggctctgcag aagccgggaa 240  
 ggaatttgat gtagtatcat cttgtttgga tgaatcttct gtagcagctt ttgcatcaga 300  
 atgctgaagc ttgttgtcac ttgataattht agaaggagat gtctcaggtg gttgtacatt 360  
 tgataacccc ctggtgagag gagtatcaag tacattcata gcaggtgagg tcaagccata 420  
 gttctgaggg atagtcaaaa ctggatgata aaatttgcac gttggggcaa acttgcacat 480  
 tccatagatt cttgtataga gcatacagct tgcccaggtc tcac 524

<210> 41922  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b08a1

<400> 41922

tttagcttcg agcccgccct caatgacact ggtgctaata tggaatgtgc aaaggctagt 60  
 actggtgcct ttgacgatga aaatggcatc cctgagggct gagaatagac cctgctaaaa 120  
 ggatactgat atctatgcct acgggtccaaa taataagggc tagaaaacaa aactccagt 180  
 tgcaaagatc gattaaggac agtggaacat gaccaagcct ataggatacc ttaacacgta 240  
 tccgtccagg cttgataaga tctgggtgccg tgagaaatat cacccatgac caatgtcacc 300  
 gatgctgagg tatgtgacag aacaaacaag cttaatgtcg aataccaaca gattgtc 357

<210> 41923  
 <211> 529  
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027c01d1

<400> 41923

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aaaaacaaac ccttaacttt tagattgaaa agaccaagtg catatagatt gaaaaacgac   60
aagttttccc ttgttccatg atgtcatgac accgacaccg aggaagtgtg tggccaagct  120
ggtagaaagt aaggaactac tttgctagat tcccatgaaa tggtaacctcc acgaccctga  180
taattaacaa ttccaccgt tttggtctcc aaatcacaca gcaaaatggt ccaccccgac  240
ctaatagaaga tagatgtaga attctgagga aggaatgaca atatctgagt ttcttttagaa  300
tgtgtgctta aagacggcat ctgcttccat aatactttaa agtttaaatct ccacctcaga  360
atccacttgt acttcagatg agtgcagttg cagtaaatag acgagttggc tctgtcttcc  420
ttctcaagta tccatatctc cagaccaag ttattgctct ggccatactg caaaagccca  480
tcagatgact cccaagaac agattcctta tgctcgtgtg ttaaacaca                529

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<210> 41924

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027c03d1

<400> 41924

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aacagtagaa ggtgcattac atatataata acttcttggt ttttatcaca ccaagttgca   60
aacatagaag agatgatcca atttaciaac tacaaatcct tcaccacaac aggaacatga  120
gagcacataa aaaatataag aacctccac agacaggttt ttgggggtttt ataagttgtg  180
acaatcatga aaaaagctta ctgaatataa acatcatgac aacagaacac accgatagta  240
aataatatca tgatcaacaa ggcagcttta gtaccaaatt ctatccagtc caaacatgcc  300
ttaagttgtg cttccaagcc attatggcct tgtgttgctc cctcacacag ccaagaaaac  360
attttaaccc cacaagcagt tagatggata gaaggggtgtg atgagatgct taaatctgcc  420
tagttcctgc tcttactttt t                                441

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<210> 41925

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027d01d1

<400> 41925

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aacattgcag actaaaatta aaattgaaaa gatcaaaatc caaattacac caagttcata   60
gtaataataa ctaataacaa caagttaaac ccaggataat aatgagaaaa aagagttccg   120
gaaagaaaca aggggggggg ggggggtttt gttttccaat ttccaaatga aacgaaaccc   180
taaccagagt tttgttcgtc cttgtcatgg ggctttctgc agaggatcat gtgcatcgga   240
gagaaaatcc cagagtcacc ccctttggtc aaatagtcag cggctctgaa gagcatttta   300
tgaacattga cgggcccctt aggcgcgatt cccaaagcgg ggagaacagt gaccacaata   360
tggtttcgcc agtacggat cctacccatt t                                     391
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<210> 41926

<211> 503

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027d02d1

<400> 41926

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aattgaatgg agtgcgattt cattacaaaa ttaaaagaca acgaaagaca tggtatggtg   60
gcatatatac tattccctaa cgggacaaac ttagatactg cccccccaaa agaataccat   120
cagtactacc aaaacggaga tttctcctca atagaaatct aatgcactac aatatttata   180
ccaaaaacac tttaaaaaaa ttgttccact cgtcctttct gcttgttcct tcaatccctt   240
ctctttgtga gcatcaggtt taccttcaact caaatcgcat cgtgcacata ttagacgga   300
aactgcatta gtaagactta agtagctaag ttcggtgcct cctcaaaact caggcaaaag   360
ccagttaaag gttcaatggt tctgactctg cgtccctatc cttcaattgc caatcttctg   420
tttttggtt atcggaaatc accatcagtc gcctttgcaa gatacaagcc accaaaagga   480
aaaatgagca catgccaaac ata                                           503
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<210> 41927

<211> 499

<212> DNA

<213> Glycine max





<400> 41929  
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 agatgaagat ttcaaateca ttgttacacg aacaaccata ttattaaacc atacattgaa 120  
 tggtcattta aacatacatg tattcaccac ctggaattgc attttcagca cttttcctct 180  
 cttcttcagc ttccttttca cgtctcttcc agctctcata ggcatgatca tcagtttgca 240  
 gctcatgccg acagatggga caagaattgt gctcatccag ccatggcttt agacatgggtg 300  
 ggtggaatgt gtgcttgcac ggcaactctt gcattttgtc atttaaaacc aagttctccc 360  
 tgcaaatagc acactctgca tctttcccca aattagccag gatttcctct gtgagagtaa 420  
 tgaccggaag atttgccaca acctctttac tggcaggagg tgcttttggg gctaca 476

<210> 41930  
 <211> 559  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910027e04d1

<400> 41930  
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 gttcaaactt caaagcttaa acataaatag tcaattttaga ggaaatgaaa ttgctgaatg 120  
 ccccataaat gaagaccttc aactggagct tgaatcatca gtttttgctg ctgcagatgc 180  
 ataactaaca ctactatccc tggttactttt gcaactgactg gattgctcat agcgaagaaa 240  
 tttgattttt atctttgttg agcagttcct tagcatatga agaaaaacac taattggatg 300  
 gcgtccacag attgtattgt catactccaa cagatattgc ttgaatgaat ctggatctcc 360  
 tgtttctatg atatccatgc ccactttgtc taaggcctca atagatttgt atataggccc 420  
 atgtttcttg tcatagtgca tgtaattgaa tcgagatccc cagtgacaaa agtctgatga 480  
 aatagagaag aagttattgg aatcatcaac atatttggca agaactctgc catacatagc 540  
 ttcattntca gcactaaca 559

<210> 41931  
 <211> 351  
 <212> DNA



<400> 41933

cagaagaaca accgtttttc caaccaacaa agacaaccac accaaataca acaacaaagg 60  
 ttagcaaaaa caaggcttgt gtttaatccg gcaaagaagc caccattagc tatacacaag 120  
 tttgaaacaa ttctcaagtt tactcattaa actgaatcag tattcagagt ttaacatcat 180  
 gtgcaaggtc agcactagaa acaccatgat tcgaaaacac cctctcccag agtccctttc 240  
 tatcagcaac caaaactcac cagcaaaaact tcttccgtaa cctagctttt tcttgactat 300  
 caatgtaagc aagcagctct tcttgccctca ttagtgcttc ataaagagcc tttttagttg 360  
 caattagctc tgcttccaaa gcatccaccc gacatacagc agcatttagc aattcctctt 420  
 tctcataagg catctccgat ggcttaat 448

<210> 41934

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027g01d1

<400> 41934

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 tggttaaatac ttctgtagag agctaacaac tcctcggtag tggtgtaatc cagtcaaaaa 120  
 gtatttcact atgcacatat gatagtaaatt tccaaatctc aataaatagg tggatcagga 180  
 ttgaataaca cagattctct ccagatgagt tccttgatat cttcttcagt gaaagatggt 240  
 tgctcaaaat caaaactgaa aggtctaacy caagcagggt cctcattaat atcatgaaga 300  
 ggagccaagt atgggtgaca cagagcttct tcaactgtga tgcgcctatt tggatcaaag 360  
 acaagcatct tctctaacaa atcaacagca ccaggagac 399

<210> 41935

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027g02d1

<400> 41935

caaattctgt gtgtacagaa tttattttatt caatcatcta attcagaaca tacaaaagat 60

gccattatTT aatttttgcc cattcaagga caaatgaagt ggccgtaagg ggcaacgcac 120  
 ttgttttaggc atacatacat atatataagta aaaaagaaac acactttgaa ttcaagttca 180  
 tgtttctcca aaacaagcct ggttgaatga ctcaagcttt aggttgcggt tgtggacctc 240  
 gatttaatag catggtcagc aacattacca ccatgacagc acttgtaatt aacagatgtg 300  
 acctccatca cacgtccaca agaggcattt gggcatgtta tggttgctag gacatccaaa 360  
 gtgttaaatt cacatggttg aggagcaggt agatcacgtt gtgtgtcata atattcttgg 420  
 aatgcaatgt caaagccttc tttgacaagc actctttttt tccact 466

<210> . 41936  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027g03d1

<400> 41936

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 aaacaaatgg aattctatta cattatgaat tacaagttcc ttgcatggca tacatcaagg 120  
 aaaactggga agttgttgta tgtggattga tttgccacag ccttatatag acaaaccaa 180  
 tgcttaatat caacacaaac acgtgtacag aaaagaaacc actcttcaag aaaaccgaaa 240  
 ataagaaaaa ctaacatttt ggaagagggg ccccatcca ctccccaagg cattccaaaa 300  
 ggggatcaat gatcttcctt tggcacaaag cagtgaacac tttgtcacac tcttcacccg 360  
 gtgagataac cctttcacca gttagcaatg ctgtcccaa cttctttcta caaacttgtc 420  
 aaggggtaag acctgcattc ctt 443

<210> 41937  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910027g04d1

<400> 41937

gtctgcaaat attatatatt atataataat ctaaagaaaa ctctaaaagc aagtgttct 60  
 caccctgaca agctacatgg cgaatcacta gcataaccct aaacacatct ctcccttgag 120



agcaacagct aagacacaaa aagcctctat ttatagggaa aagaaatgaa ggaattgcat 120  
 agttcaacat tgcaggccag tctatataac gaattctttg ctttgtttgt ccgctacata 180  
 ctaacaacac aagcgcagtt cattaaagag tacatatctt cacccaagac aggtataacc 240  
 ttcgatgaac ttatgcagtg tgctcttcaa catctccatt ttcaccatct tcagcagcag 300  
 cagcagcagc cgccatcaac tcatcaaatt tttcagtctt cccaagtaat atttcaatct 360  
 tggccttttg gacaggtctg cctctagaat catctttgat gtcaactgtt gatgtcgtga 420  
 ttttcttttc aatagcaagc tcattgtttt tcaagatttc agcaacagta accactgtag 480  
 caatagccat tcctagtgt gagagctcaa cctcttatgc t 521

<210> 41940  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910029a01d1

<400> 41940

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 ggggcccac ttggcaaaaa accaaaattg gcccaaattg ttgggttttg ccttccccct 120  
 tattaataaa agcttttggg ttttaaaaaag gtggggggggc tttttggggg aaaaaggcac 180  
 ttcccttttc ccggttattt actaaaaaag ggggcccatt attggttatt ttaaaaaaac 240  
 cccccaataa agcccttgtt aaccattggg ttttaaaaaa acgttttttt aaaaaacctt 300  
 ttttttccgg ggggggaaaa gggcccagat ttgggaaac tccaaattgg ccggtttttg 360  
 gagaaaaaaa gatatccttt acttccgaat accaaaaaat ttggtggggg gggcggccca 420  
 caaggaataa agggattttt ttaaa 445

<210> 41941  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910029d01d1

<400> 41941

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gcaaaatcct atggataaaa aatacaccca tgcaaggacc aaataacaga agtacaacat 120  
 tcacggacaa aaccacaaac aaaactcgac aaaacttaaa tctaaagtaa cattgttcat 180  
 atgagaaata aattcggcta agttcaaaag taagttaaag agttcaaaca atttaaagct 240  
 tgtcttcaaa ctccggagaga ggagtcattt gttccttcaa gcccttcctc ttgcggatgt 300  
 cggtgacaag ctgtgcagct tgtgatccag tctccaatgg gtcagaagac atcatgtccc 360  
 agtgatcaaa gacacattgt gggaaagcct ggctgatgt tgcagccctc aatgtgctcg 420  
 agaaacaaaa ggactcaatg acagggaggt atgctttgat gttgtaaagt ggggtaccag 480  
 gcctctgcat ttcctcgaac acatgtccac gt 512

<210> 41942  
 <211> 541  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030a01d1  
 <400> 41942

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 tgtattggat tatgaaaata gagagaataa aaatagaaaa aaaaaattta cattgaagtc 120  
 ccagcatgaa actcgcttgt gcataagtga attgagggaa aagaagcttg ttctcttcaa 180  
 agcttttttag aggatggaaa caaaacccaa cttaaaattt acaatttctt gactgctaca 240  
 acagcaacca aaagttatgg ctgctgatt ggatcctctt cagatgtgtt actatcaagg 300  
 gccagaattt ctccgcttgc attagtgttt ggatgttgat cagtagcttc ccccttcaac 360  
 tccttctcac tatataaatc attctgaaca ggtacattta tttgttgctg cgatgaaaga 420  
 acatttgcca tagccttcat agcagcagaa gcctcgttgc catcaactga atcatctagg 480  
 tcaacaccat taacattagg tttcttagac aagtccttct gcctaggagg gggaacaaaa 540  
 a 541

<210> 41943  
 <211> 386  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030a02d1



<400> 41943

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 tattttcttct gcatagcaat aacaaaaaaaa tcaagtaaaa aaatgagaaa ttaaaaatca 120  
 tcatcgcacg ataatcatca tcagagacaa agcgcggtgc ggcgtagatc atcatccgcg 180  
 gcagcatcat caaacggcag cgcgttgaga tcaaacggca agggagggtcg aaacgacgac 240  
 gaaacgatgt tgtcgtcgcc gtcgtcaacg acggaggagg aagagtcgca gtcactgtgg 300  
 cagtcttcag ggacaagagg gggagtgcgc gggatatctcc gcgtagcagt caaaaacggc 360  
 gtcgcagttg tggttgtggt ggtagt 386

<210> 41944

<211> 360

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030a03d1

<400> 41944

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 aaaagccttt aaagagtaaa aaagaaaatt ttttattgct ttttaaaaaa tgcccccccc 180  
 cctcaacctc ataataataat cgtaaagccc acccagaaaa tagcggcttt ccacaaaagg 240  
 gcccttaagc cctgttagct tttttggggg agagcccgtc ccccccttta tatagtcctt 300  
 ccccaaaggg ggcccatggg ctctggatat accacgggcg tgggcggaaa aaatgaaaac 360

<210> 41945

<211> 346

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030a04d1

<400> 41945

atcaaaaaaa taccgattct cgaaaaaacc aggcgataaa tattctttct acgagcggaa 60  
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 aaaatcattg tttggccaaa aaaccttggg ggggttaaaaa aaaaaccccc aggttttttt 180

gtaaaaaaaaa atttcactt taaaaaaacc cccgggccag cgaatttcaa aaggcctgtc 240  
 tgttgaccat tgggtccctt ttcccatgg attcaaaaaa aaactcctgg atgtaaaaaa 300  
 aaaattctcc ccctttttta aaaaaccact aaccttttga tttcta 346

<210> 41946  
 <211> 537  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910030a05d1

<400> 41946

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 cgatacaata aacataaaaa ctactgaaaa gaattctttc taattaacaa atccatcaat 120  
 tgtgtgctaa gcacgcataa atgattaaat gtaaaaggcc agcagtaa atctcttgac 180  
 gtgttaccag aatttttctg ttgatgctga ccgcaaatta caacaaaaaa tgaaggagac 240  
 aggctcattt ccatatacat acagggtttg ctattatgct tatttcatcc cttttccttc 300  
 attttcattc agaatccgat ttccgaaatt attaaccata agaggcaacc cttctctcag 360  
 tgggattttt ggctcccaga tcatcagata cttcgctttg ctaatatctg gcttccctcat 420  
 gtgtggatca tcagcagtat ttggtttgta ttctatggga gcacttgaat caattgtttc 480  
 ttttacaacc tgagcaagct ctaacatggt aaactcccca ggttacccat gttgaaa 537

<210> 41947  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910030a08d1

<400> 41947

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 ctgcctcaaa aagacatgta caagcccgca accagccaat gcatgaccaa aaatgtttgc 120  
 ctaaaatttg ttggaatata aaatgctaag atttaaataa acgctacttt cagaaaaata 180  
 attaaaacat ttctccaaaa acaaggcat tgaaaaataa atgcaaatac cttttttaaa 240  
 tgcacaccag cacaacctgc aaaactctcc cttttgtaag cactgggaag tagatgcctc 300

cttagattca gttatacttt aatcctcatt ttgactttca tccttgacaa gcttgatcat 360  
 gtcacatcaatt cgaaggatgg taatagcagc ttcagttgca aactgaataa tttttacttt 420  
 gctcattgca ggctcaatga ctccggcctc caagttgttt ctgattttcc cttgcgaaag 480  
 gtccaaaccc atacttgata aatgtttctt at 512

<210> 41948  
 <211> 438  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030b01d1  
 <400> 41948

atattcgaca ctccaattac tgattgggat ttgactaaat caactataaa caaccacata 60  
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 acaacaacta aaaatacggg gcataatcat aaaccctaatt tgacgacatc aagccttatt 180  
 ttctccagcc tccattacca ccatcaccac cacgagagta accacgggtct ttgccaccgc 240  
 cataaccacc accacgattg tatectttctc ctccgcccgc gccgcccgtca ccgcccggact 300  
 gagcttcatt gacagtgata ttacggccgt ccaagatctg tccattcatc ggtccgatcg 360  
 catccttcat ggactgctcc gaggcgaagg tcacaaatcc aaaacccctg gatctgccag 420  
 tctcacgatc gttgataa 438

<210> 41949  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030b02d1  
 <400> 41949

aaaaaaaaa aaaaaagagc cttttttgcc ccggggggttt tttttgattt tgaaaataac 60  
 aaaataacag ccggacataa aacggggggg gggccctttc caacttaaaa gcggggggata 120  
 aatttggccc ttgacccaac acatgcccc cctaaaaaat aaaattttac ctttttcccc 180  
 ccaaaaaaca aggcctttta tttaaattta aaaaaaaaaa agatacccc ctccttttgg 240  
 tgaaaggaac cccaaccccc aaaacctggg ttgggttttt ttggggggcc ccaactttat 300

taaacaggaa cgggtggatg gaacccttg gccttgaagg gaatggcctt ctttcccacc 360  
 cggggggaaa gggcttcaaa ccccccccca atgaaagggc ccccccaaaa a 411

<210> 41950  
 <211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030b05a1  
 <400> 41950

ggggaaaaga aagccctatc tttttatata taccctgcc tgaaaaaacc acccaggggg 60  
 ccaaattttt atttttgaag aataaggggg cattggggac tcgattaaaa aaatatttgg 120  
 ggtctggggc aaccaccagt tttgggtggg ggtcaaacca cctctatatg gcaacccta 180  
 gggggaaaac ctccctcttt ggggggaact tttttgggtc tccagctttg acccggtttc 240  
 cataagcggg ggcctgcctt ccaaggggtg gtttaccaa tgggtcaagg gtggtagacc 300  
 aaacagcatc ccccttaaaa gggttgggtg ggctacaagc aaaaatt 347

<210> 41951  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030b05d1  
 <400> 41951

acataccctt cacctgatca tacctaaatt acctatatta ccaactaaac gcacacaaac 60  
 aaaaaatttt cccactttac atttcccaac cccagtgaac accacccttc accaaacacg 120  
 attaaccta tccccctta accatacacc cccccatata cccaagtaat ccctaccatg 180  
 tcatactccc ctttcaagat cccccccc 208

<210> 41952  
 <211> 487  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030b06d1  
 <400> 41952

gaaaaacaat atattcctta ttcaacccaa attggtttca tggcagataa accaacacga 60  
 tgccgccttc ctcttactg gaccaccca ctctaacaaa agttctaaca aaaaaaata 120  
 ggggttcaca ttttcaacca caaatgtgaa aagcctaaca caaaaaatca aaaaaaggaa 180  
 aattaaacaa tcaaatccga ttgataaaac cgatTTTTgt ttttcctca ctacttttc 240  
 atttgatcat ctcaatcact taatacctgt agtgagcagg cttgtatgga ccctaaccac 300  
 gcacactgtt gtaataagcc tgcgacttgc taatatggac cacattaact tcaagtttgc 360  
 ccagcagaaa tgcaatcacc ttcttatcaa ggtgctctgt caaaaacaca acctgttct 420  
 cgtacttgcc gggactcttc tcttccaca actcaagctg aacaatgacc tttttggtga 480  
 aggaaca 487

<210> 41953  
 <211> 537  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910030b07d1  
  
 <400> 41953

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 atatacaaaa aagttattga aagtaataac tcaaacaaga attgctccta tccccaccct 120  
 atacatatat ataagatgaa agcagtacca ccagagtggag aacatcctac cattctttga 180  
 caatgtaaca aaagtcttac aatctattcg aaaaatcata tggccagctg ttttcgcttg 240  
 tagtatccag ctatcacttt aaaacattct aattgataaa actataaaca gagaatattt 300  
 cttttaattt cctgtatgct gcaacgcagg ggactgagta aaaaatggaa taaaccaga 360  
 aaactcggaa aacgaaacaa tcaaaataca gccataagct cgggttgcta tcatatcaaa 420  
 ctcatgactt tgtaaccttg cttctcaaac actacgcagt atatttgaac tcccacgttg 480  
 atgtcttatt caatgggagg gtcgaaaacc aaatcctgat cgcacacagg gcaagtc 537

<210> 41954  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910030b09d1

<400> 41954

atatattatt atacttcaca atcagcatgg gttttgtttg agactgaaaa taaccatatt 60  
 acattattat tattattatt gtaacaatcg gaaaacgagg gaaagggaat agaaaacaat 120  
 gaacaaccct tggcagttgg ttgcaccaac caaagtagcc acaaatcgaa atcctagaaa 180  
 aatcaaaaagg taaaaaataa aaaggaccaa accctactta gaaaagcata actgttcctt 240  
 gttccttggt ccttgttcct tgttccatcc aaaggagagac aacatgcaag ttttgctcat 300  
 ggcttcacaa gaatggttgt gtctgcaatc atggaagtaa ccacatatgg gtccatgtta 360  
 gaagctggcc ttctgtcctc aaaatatccc ttccctgctt tctctgtgtc cctcccaacc 420  
 ctaactgaag ctccacggtt tgcaactccc catagaaggt gttgatgtca gcgggt 476

<210> 41955

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c01d1

<400> 41955

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 cccttcagca ccggtgacaa agacaacaaa acaactctga agccctgggg atggaaatat 120  
 gaagcttttc ggggcattcc cctatgttct tgaattcaga agggaggatc taaaaagcat 180  
 tacacacttt tttttgcatg cagcatatgc aatacgatec gacatttata ccattttgtt 240  
 ggatgctaaa agtaggtacc ttccggaggg tggacaagct tccggttatg aggagcagcc 300  
 atttccttct tcagctgggt cagtatgtcc tccatggggg actctctttg ccaatttgca 360  
 agaagaccaa attttttttg gtcaaccact ccagtttcat gattaacaca agtcatgttg 420  
 actcgtgaat gaaaccgaac acttggg 447

<210> 41956

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c03d1

<400> 41956

accaagggct tgggaaaaca ttaaaaatta gcagagtcc catcttttaa aaaaattaat 60  
 ctaattaaca taatttgaaa caaaaaagaa aaaatatccg aagcctagtt gtatggaact 120  
 aaaactaatg cacaacggat gccttttcaa ggggtctgaa tgttgtagga aaaaatgcca 180  
 acgggagaat ctgaaatgaa cctgaaggaa actgtgggaa atattgttga aactgtttgc 240  
 gctctgttgt tggggccttg ttgttctgaa tgaacttaaa aaaggagccg tcactaaaat 300  
 ccggggccaa tggtttatta aaacaagaat ttttaattag ccacaacat ttttggacat 360  
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 cggtcctta 429

<210> 41957  
 <211> 541  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030c06d1  
 <400> 41957

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 aggtagcaaa ccaatacaaa tgggagatga tacaatgtgc atggaagggc ttttttactt 120  
 cataaaaagt ggatgaacga gaccttattg aaatgatgat tatcaacaca caaaaagtaa 180  
 atattatata tgatgatgat cttaattaaa aaaggagttt agatgcaacg ccgacccctg 240  
 caagtggaac acagacaaga ctatgtgcc ttggaacagt gaggcgggt ctctcttcca 300  
 tgctaacttt ggcgtcacca cccttcaata tctgtccttg tggaccagc acttgctagt 360  
 cgaagcactg aataagagat gcaagaagtg ttgccattcc cgaagtagcc agattgactt 420  
 cagggcacat tttttctcca aaccctaatg ggagaagttg aaaatgttgt cccctaaaat 480  
 aagaggccct gctttccctt cagccctgt ttttaggaac cttttacgac ggaacttcga 540  
 t 541

<210> 41958  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030c09d1

<400> 41958

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gcccttacaa cttacaagga tgattttata aattatataa tagtaatggt cgtacattag   60
ttgaaatgat attcatacct gtaaacaaca tttttattca accaattcca taattttaa   120
gtacaaaagg tggtacatac aaaaactaga aaacaataga cattgccaac tattaatagt   180
gactacacct tcatatccat ttcattcttct aggcaacttc attctcttca ttctgtactt   240
ggacgtggaa taagtgagcg tggcaccaaa cttttatact ataatttgct ctttttttaa   300
gcgcaaatgt acagggtttt ggtcattacc tccaaaatcc ttatctttaa gcaaaggatg   360
cttctttggc acgacattat gcgggttttaa tggcattgaa ttgctactaa ctgtgttgtg   420
gctgctgttt ctaaccacag gtacatcatg a                                     451

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<210> 41959

<211> 574

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c11d1

<400> 41959

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aaaaattgca tttcacttgg aagcaagtat aggataagta ctggaaagta tcttccagag   60
taaaagataa catgaagcta actatgcatt ttaacatgca atcccttata ttacaaaaag   120
aacaagacct accctacata acaaattattg tctgtaaaac ctacttcctt tcatgttaca   180
ccccattctt ccatcttaca gctcctgtcc aaccatccaa ttgagttcct gatcttcaat   240
ataacgccta atgtgtaaaa ctagtaaaag taaaaaggat tgcagccatt atggatcatca   300
gcaaaagaaa aattaagcaa gggaacagga aatgaagaga atgaacagca aaaaatacac   360
cttacaatct tacaacttgc ttgtacttta catgataatg caciaagctt tagtgagaag   420
aaagatcagt ttagttagaa gggaccatga tcaccaccta ggacttgtca tggggaaaaa   480
acctgaaaga gacaaaggaa acagccctgg cgaaagtgga ggctgcggcc cggtgcctaa   540
aattcccgcac tgtgcaaggg tgacaaaggg aaat                                     574

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<210> 41960

<211> 566

<212> DNA

<213> Glycine max



[illegible]

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cagagatcaa	tttctgcata	taaaagagag	ttcatgtttg	acaacgatac	tatgttgcca	120
tcaactgttc	agccgcta	gatcacaaga	cattcacatg	aaaccaaag	gcgattgtag	180
ttataaatca	aatgggtcaa	gattacaata	aaattaaaac	aacaaagcaa	tggtagtaag	240
agcaccatcg	cctttgatca	tgtgtttggt	taattaatca	ttggccgtcc	acatgttgtc	300
atcatctcca	tcattgtaaa	tgctctctgc	catttgccag	acatggaaag	aattgtcctc	360
agctacgctt	gtgataaccc	atggctgatt	tctgttccat	gaaaaatctg	atattttccc	420
tttgtgaccc	ccatgagaga	agagtagttc	agggggggcca	ccttcaccat	ctccttctat	480
ctgctcatca	ccaactctgt	taagggtccc	aaccatcagc	cgtctgtcag	caccagaaga	540
tgccaacaca	ttctncatga	taggat				566

<223> Clone ID: jC-gmro02910030d02d1

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cgagggtgaag	ccttacatta	aattacatcc	ctgaaacatt	aaaactcaa	atccttaggg	120
gatgtgtttt	agggggggaa	aaaatcccag	aggggggtga	tcattttcat	ggcatttttg	180
gtttggggat	tggggatgtg	gaaaacatga	acctcgccct	ccactttaaa	caattccggt	240
ttaccttgcc	agccactttt	ttttacaacc	ttattttacc	caacccccct	atcctttatt	300
aaaacctttt	cagcaacgca	aaccaaaatt	ttaaaacacc	ccagttcagc	caagcttggc	360
gccccataa	ccattggatt	g				381

16753

<223> Clone ID: jC-gmro02910030d05a1

<400> 41962

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agactttgca ataatagtca aattaatttg acaatatcat tgtctccaaa gtcaagacaa 180  
cttaggtggt aattaaccat ttttaattat ttggtgcaaa gttcacgagc aactccaagc 240  
cttgaattgg gcacgtcata gagcacacgg tggttttggt gctgcatggt ggcaatgaca 300  
ttgagcactg agttcacgtt atcaggagcc gaagccatgg ccaagcatga ggtgctgcc 360  
gcagtgctgt gtatgagaat gttgtcctgt ggcagcgtca cgttcatgcc tgagaacatg 420  
aatgtgatgg tgggtgcaac ta 442

<210> 41963

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d05d1

<400> 41963

aaggcttact caactccaaa aaaagtatcg gggattttgg gcctagaaat aaacaggcag 60  
gcaaataaat tttcaagaaa atgattctgt agataccaaa taagatagtt tctactagt 120  
tagccatgag aaggcatctg caatgaactt tcaatcatca tcttcatcat tatcagcagc 180  
agagttgaga gctgccacac gtgaaatcaa cttagccttc ctctcctcat atgtcagctt 240  
ctttaagttg tacctcttgt gctccttcgg ggtctgctta tcagatttct tgagagtagg 300  
atcagcccgg atggcagcat gaacattttt atacagtgcc tcaataccat cagcttttat 360  
cccacgcttg atgtattcac tgaagtgtga ctggtatttt tctggttcat cttccgcaa 420  
gatcttcata taggcagcaa catgtccacc aaaaacatat tttcgatgaa cctttgcac 480  
aagcttcttc ttttcttacc aaacc 506

<210> 41964

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d07d1

<400> 41964

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 agtcaaagaa tattggatga tttgttagtt gagaatctaa acatacaaaa ttacacacg 180  
 agcaacctat tttctttggg acaaactatg atttttgttt tctttagttt acaaaaacaa 240  
 tgtatacatg agaatctctc atctgatcat cggttgtgac tatttgttct tgaaaaaatt 300  
 gaaatcccat cgacgcatta agccatccat gacatggcct gcgggattcc taacaacagt 360  
 tactgtggct ttcgtgttat gtgatacatc agtctctgat gaactttgta aactagcaga 420  
 actatcgcta ctagcagaac cacttgtatt gctggactca gttactgatg atgtgtc 477

<210> 41965

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d08d1

<400> 41965

cattgaatgc cacagaatga atggagggaa tcaccatata caagttgaaa cgaaaaaat 60  
 tataaaaata aaagtaaggt aaataattaa cactgaatac aaattgggtc ttggggatga 120  
 ggtaactta tagagaaaca cagactccaa cttcagtaat gacaatccac caagaagac 180  
 tgcttagaga agacaataac gtttttttct ctttctgtaa acgaaaactt ggattctcta 240  
 tgatcatcct ctggtagtgc tggaagattc aagtccaact tcaagggttt cttggcttct 300  
 tgaaattcat tgttaccacc aacaccaaca acatttccac cactcataga agttgctaaa 360  
 gaagcattca caagagttct gtggcgctc atgtggcccc ccaaagcttg ccctgatgag 420  
 aattcagcac cacagataga acactcgtga accttagcct ttgttgttgt tggttgtgtg 480  
 ctacacatat tattattaac cccatttggg attttcaagg ag 522

<210> 41966

<211> 383

<212> DNA

<213> Glycine max

002210 "CTT" 560

<223> Clone ID: jC-gmro02910030d11d1

<400> 41966

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aacccgatac atcaatgggtt ttatttcaca caaacaactt aacttacacc tccaattact 120  
caaccattct caaatcatac aattcaactt cgcgaacca ttaaataaac accctacaaa 180  
ttgtacatct cttaccttca caaaagacaa aattattctt atttgaatac actttctaac 240  
ttaatagcac actaatgcta tataccattt ttctctacaa aaacaagcca actaaacaac 300  
cttcaaaacc ctgcgtgcaa cgaaataaac tttttcttgt cttgccataa tatattcata 360  
ttgcacaaca tttactaaaa cac 383

<210> 41967

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030e02d1

<400> 41967

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acataatctt acccagaaaa caggaagtga aaagcaaacc cacaaaagtt ttcatagatg 180  
caatccattt caatatacat tatccaaaca caaatcagcc catggcatac ttctgggtcc 240  
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gaacaagtgg atcatcagga tttggatcag tcagcaatga gcagatagaa agcagtacct 360  
taaagatggg gagtgcaggg ctccactgct ccttcaggat atcaagacaa atgctaccat 420  
tgctattgat gttcgggtga aacaccttag tcctaaagge aaccttagga ggcttgaaag 480  
gataat 486

<210> 41968

<211> 316

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030e04d1

<400> 41968  
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cactctcata ttccattaag agtgacaaca actcttcgtg aggtaggatg atcccgatgc 180  
tcgcagagcc atataccctg ccatgtcccc atgttaagct tgccatttgt aatcgggtatc 240  
gggagtgtac aaccaaacat cgatgattta atatgagctg gcatgtcatc tggccccctt 300  
agagtatgct tccatg 316

<210> 41969  
<211> 208  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910030e08d1

<400> 41969  
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taccaccaag ttccacaaaa ttactcaatc ttacaaatac catatccctt taatcacgta 120  
taaaaaaccc tctccccaac atcaaaataa taatatcttc tatataataa agcatatcat 180  
tgccccctcc caaccccaaa atattaaa 208

<210> 41970  
<211> 358  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910030e09d1

<400> 41970  
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ttacacccca ccggttaatt gataaacctt cttatatattt ttttcttttc caacataaaa 120  
ccttactaca aattctctcc atgcttgacc ccccaaaata acaattttta caaaaaaacc 180  
ctttactaac ccaatttttt cttaaaacaa aacaactccc aattttttta ggcacactg 240  
tctaaaaaat gacggccaca tttgggacgt cactttccct ttttcaaacc atcactacta 300  
atttccaac cttttgggct cttttacaag tcttttttaa accccttggc gggggggg 358

<210> 41971  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910030e11d1

<400> 41971-

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 ttctaccttc aaaatgagat acttttatagg cgagatgata cctgattatc aatgaccatc 180  
 atgaaatcta aaatgaatgt ttccttttaa ataataaatc atctcaaagg aaacatattg 240  
 ttcaggactc caactacaaa tataaaaaga ctttcaaat accgctttta agaaagaggc 300  
 aaaacctttc aacatttaat ttgcccttgg ggttgcccat tcaactttta ggatgagatt 360  
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<210> 41972  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910030e12d1

<400> 41972

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 gtgatttaca gaaactttta acttatttaa tacatcatac caacccaact aggagcagtt 180  
 tttattatac aatgacactt atcttttaaac tctgaagcat gacacggtgg ttgacaccag 240  
 ggaccatatt cttatgcaat atatgccaca tctggataag actcacaagt tgccacacca 300  
 cacatgttct tgcccaattc catthttgaag tatgcattct aaccccatatc tttcttccca 360  
 tgaatttttt atgagccaat atgggacgcc attttcaact ccatacccca cagcacggac 420  
 ggcattgttc acatactgtg aagtgtacc gcagatgaca ctatggtaaa ctccattc 478

<210> 41973  
 <211> 469

<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910030f01d1

<400> 41973

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agtacaaaca atatacaaaa gaatgatgaa aaaggaaatt agaaaaatac atggcaactg 120  
gtcatctgat cttattccac tctgagcatc ttctcctttc tttactctat gaaagccttg 180  
atttctcctc cctttggcat atatacttct ctttatatgt ttctccttcc tcattgtgca 240  
tataacttagt aattttctca acacttgggt aggtcagttg gaggtggtaa taaagattca 300  
tttggtcctt taccgttgct cacaacaaaa gccatcttca gtcccatgt tgtatgaatt 360  
tccaagtggc aatgcataaa ccagacacct ggattgtcag cctgaatct aataacagtc 420  
cacccccag ccgggactcc aactgtattt ttttcacacg atctacaag 469

<210> 41974  
<211> 469  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910030f03a1

<400> 41974

ctgattcact cttcatttaa atgtgcataa ttttccatat gttgcagga tttgtacag 60  
gatcctaact catttgtcta tcaatgccag tactcaagat attttatcta aagattcaag 120  
ttaagggtggg aaaaatgac ctcagaaagc aggagtcctt gaggatgata ctatatagga 180  
atgcctgaag ttcacaaaca tcctcacatc atgatttagtg aatttctaata ccttcattga 240  
ttaggattcc atctatcaat tcagaacaat ccggctctca tttatgcgct acatttatgg 300  
aattagtgcg actgtgcctc cagtaggatg ttgggtggcca cattgacatc atttttggcc 360  
tgactaggg cttgtctggc agaattcctg tcaaagccca tagagacaag ggtagtgatc 420  
gagtcctccg ttggctctac tgcagcttgc attggaacag ggtagtttc 469

<210> 41975  
<211> 423  
<212> DNA  
<213> Glycine max

[illegible]

acacaacggg	gttaccatta	aagggaaacg	gagcgttggc	ttacaaacac	gggattgtgc	60
cctgtcgtat	taattagaag	ttccaagggt	ccttatgggt	ccactgcctc	tccccaagta	120
aaagtaaaat	gtctttgtta	cagcatctat	tttgaggaa	attacaatgt	aaagagggtt	180
ccccagcgtc	ccatttgttt	ttacaggggt	ggtttaagaa	atcatgagca	gagagtacag	240
gccataacac	tcgtaacgaa	taatgttaca	acgactat	ttgggttttt	atgggagcgt	300
tttttaggaat	tatgcactga	aaccgcgtgt	cataaaactt	caagaactag	cagggatttt	360
gacacttgct	tgtgctgggg	ccctcaactt	ttgtttttcc	ctttttcagg	gttgaaaaat	420
ttt						423

<210>	41976
<211>	504
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmro02910030f11d1

<400>	41976
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tataaaaaata	aaagttaggt	aaataattaa	cactgaatac	aaattgtttc	ttgggggatga	120
cgctaactta	tagagaaaca	caaactccat	cttcagtaat	gacaatccac	caaagaagac	180
tgcttagaga	agacaataac	gtttttttct	ctttgctgaa	acgaaaactt	ggattcttta	240
tgatcatcct	ctgccagtgc	tggaagattc	aagtccaact	tcaagggttt	cttggcttct	300
tgaaattcat	tgttaccacc	aacaccaaca	acattttcac	cactcataga	agttgcttaa	360
gaagcattca	caggagtttt	gtggcgcttc	atgttgcccc	ccaaagcttg	ccctgttgag	420
aattcaccac	cacagattta	acactctcga	acctttacct	tttttgatgt	tgttgtttgc	480
tacacatatt	atttttaacc	ccat				504

<210>	41977
<211>	407
<212>	DNA
<213>	Glycine max



<223> Clone ID: jC-gmro02910030g01d1

<400> 41977

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 attgaacaaa aacataaacc aaaactttta aataactaaaa taaaattaaa accgcaaatt 120  
 aagcatcggc cttctggttag acgtagggtca agccgcactt gccgcagtag tggcggtcga 180  
 agtggttggc catgaaggtg ccggcgccgc actcggcggtt ggggcactcc ttgcggagcc 240  
 tctggacttt tccagaatcg tcgaccttgt agaactgaaa aatgccgagc ttgaccttct 300  
 tgtgcttggtg cttgatcttc ttgggcttgg tgtaagtctt cttcttgccg ttcttggcgc 360  
 cgccacggag gcggaggacg aagtgaagcg tggactcctt ctggatg 407

<210> 41978

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030g03a1

<400> 41978

ggtagaagaa aagacttaaa agtttgggat tatgatttat ttctctcttg ggggcaacaa 60  
 cttgaaagct agaagactgc gagaccagat agcaaagtga tgcataagat taaaagctaa 120  
 ggaaatctga aactagttag agaaaagccc ataacatgca attaactctg cactcaact 180  
 gggggcattt acaacttgat tgccatacaa cataccatct ttttttttag gaaaacctgg 240  
 aggggtccatg ggggaggccc taaatttcag ctccgaggct gcacgaaaat ctggatcaac 300  
 tgaagctggc ctagcattgt gatctgcaga cgcaccacca agcctatagg aagttgcagc 360  
 cccaccggga taccttgaag gagagccata cct 393

<210> 41979

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030g03d1

<400> 41979

cctccttatt ttttctttta ggtttaagtt tttttttttt tccttttctt cctttttccc 60



tatgaataac aatagagccc ccttttttcc aacacacata caacaaccat tccataaagg 120  
 atcacacggt ttagacaga gaccacatgg gttagcataa ctaatcaaaa aacatggggt 180  
 agcataaata atcaaacccc caaaaataaa tgatacaaga ttcttccttg aacaagacaa 240  
 gattcttagc tttttataaa tgcacaaggg ttctgatct ttcttttgt ccctgtcttt 300  
 acattaattc ttcccathtt ctogatgggg ggtgcaaact cagcaaagaa atttttaact 360  
 gacccttcaa gcaattggat gatttgtgcc tttgtaactg ggtagtcaa taatgcagca 420  
 tttgactcaa 430

<210> 41982  
 <211> 527  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030g06d1  
 <400> 41982

gacaggaatt ctaatatcct gaactataca catgtacctt gagagggtta ccaacactgc 60  
 ttccactgtg ttttaagtaa caatgggctt accaagcttg tttcgtctaa aactccaatc 120  
 tgccgattat tattttgtgc tttaaccttc tgctcatctt tgtacttaca aaccattttt 180  
 ctattgctgt agcaatttaa tgcttttcat cctaaacctt gggtgaaaat tcctccacc 240  
 taataatgat tgactcttac ctcaactttc tttggtttaa caaaaaattc aatatgagct 300  
 attctaactt gagtgctgat atccaacact attcagcata tgggtgtgac accaaccgtt 360  
 ccttaattga aaccaatgc tggactttta ccattctact cttcctcatg cataagtcac 420  
 ttcttttact aactgtaaaa aactgctac gcctataaca agttgtggct cttatgaacc 480  
 aaatattttt ctcttaagaa accgtatcac ggattaaatt tttactt 527

<210> 41983  
 <211> 589  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030g07d1  
 <400> 41983

ccaaacagca tttgtcactt ttttatatag cctccgctaa agtaaaagt agaaagcaag 60

tgaattaaga aagaagcaag gtcaaaacgg gaaaaactgt tataataaga aaaagaacac 120  
 tactttaaga gttgctttca ataattagga caaatcaaag agcatccctt caacacagtt 180  
 gaaaatgtat tgcaacaaaa caactcaatg gaggtaaaga tgaagctctt ttgagcattc 240  
 occattatgt tcttgaattt agaaggatca agagtaatac atactatata ttgcatactg 300  
 caaatgcaat atgatccaat atcggtatga tcttggacac taatagttag taccttcagg 360  
 aggttggaca agcttgcggt tatgtgaagc cgccatttcc ttcttcagct gggtcagtat 420  
 atcttccatg gtaaacctcc gttgccaatt tgcaagaaga ccaaatttct ttgattcaac 480  
 cactccagtt tcatgataaa cacaagtcatt attgattcgt gaatgaaacc gaacacttgg 540  
 gggcttttct gggtaggtct tatcacaac aacttcaatt gataaattc 589

<210> 41984  
 <211> 506  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030g09d1  
 <400> 41984

gcaattcatt tcacagagtt ggagtctagg ggctgtgaat aagcagaaat cagaatgatc 60  
 atacaaccac caccaccaca gaagtaagaa aacagataaa attttgtttg ttgtatgtta 120  
 cagatccgat ccataggggt ggggtgggagg gtgggtgagt acatgacttg aaggaatcaa 180  
 actagtaacg gtacttggtg gagtaatctt tgggagcgat gacgagaccc cgtcccttcc 240  
 tggctccacg atagacgggc tcaacaatgt cgatgaactc ctgcttgtcc ttgagagccc 300  
 agttgatctt gttgttggtta ccggttccga gatcaatcat gatgtgcttg ttcctgaaga 360  
 agaacatcac cgtggaaggg tcgtagagct cgtacatggg gttgaaatcc ggcaccttcc 420  
 gtatgtccac cagggtttatc accgcaaagt tctttattgt tttcgccact gacgccaaca 480  
 cctcgttcat ttggatgcaa gttcgt 506

<210> 41985  
 <211> 83  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030g12d1

<400> 41985

gagagtaggt tttttgaaat gtgtatcccc tcgatatatg cttgtgggga gcatagttgg 60  
aatacgatac agaatactaa ttg 83

<210> 41986

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030h04a1

<400> 41986

aactcatctc cattagatca cttattagag cgaacattgc agaacactaa actatctacc 60  
atcctacact acacaacttt cttcaagatt gtgcagcaag gcacacacat acaccacac 120  
ccacaccttt tcatatctac atatatatgt catagtttta actaaacaag acaaatatca 180  
agccgcagca acggctgctt tccgggccct cttggtcgga gacctaatgg acttgggctg 240  
cttgggcttc gcaggcgctg acactttctt cgtcttcttc ggccctacct tcttcgctgc 300  
ccttttaacc gcctcggttt tcttcggagc agcggcagtt gcggctttgc ttcgttttgg 360  
acgcgattcc tttttctcag cgttggcctt cgtcactttg gcggtgttct cttctctcgc 420  
ggcttcggtt aacttgtacg aagccttgat cttcacgagt ttccctctcg cagcttggtt 480  
ctttagttgc 490

<210> 41987

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030h07d1

<400> 41987

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caaagatcaa tttttgcata tacttgggtg acattcaaag ccacctatgc tagcgcttcc 120  
taaagtatat caccgcttga attcaacccg cgttcactgg aggaaatggc cctataataa 180  
tcaatattgc aagggaaacg ccagccaaaa cgcaagttgc gtgcacacca tgcatttga 240  
aattccaact gctcagatcc tacagcagaa aactagtcg tgggcacacc aatcagtggg 300

acatggtgaa tccttgatat aggtcggaaa cattttccga tcttgaaagg agaagacctc 360  
 agctactggt gtcttaacca actactatat tatgaactga ggatcacaaa atgtaacacg 420  
 tcttttgccc 430

<210> 41988  
 <211> 439  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910030h12d1  
 <400> 41988

gaaataaaaa atacctactg aaatccaatg caaaaaaacc atttgggtca cagcacataa 60  
 ctttatctga cgaagttcaa tgtacccttt tactggtgaa aagcaatatt cccacacaat 120  
 ttataggatt aaacactaaa aacacttttc catcaaaact caataaaaag cagaaaatct 180  
 ttaatcaaac agtcccaatc ccatatcatc atcggactct tctccacct tttcttcctt 240  
 tttctcagca gccggggcag catcagctgc agcagcacca cctgcaggtg cagctgcaac 300  
 agcaccaccg ccaccttcaa cgaatacagc accaccact attacctgga acacagcgga 360  
 ggtaggagac acgggaaaaa aggaggactg gacttcaccg gaggaatcaa cggcgagagc 420  
 ggcttgacg aactttctt 439

<210> 41989  
 <211> 524  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910031a02d1  
 <400> 41989

gaaattaatt cttttttttt ttacgcaata ataatggaaa taatgccacg gtaagagcaa 60  
 gagagcctgt tacaagatag tgctgcctga tgtttaatct cacaagctgt gtggtctatt 120  
 aaggctgtaa gcatgtcata ggttgacgtt tctgaatttg ttgacacatt atgcattagt 180  
 tccaccttca accaactggt gaaaccttga aatgtcacat cttcacaact tttttcactt 240  
 tttttttctt tctcaaagac ttcttctatg caatggaatg gatttctttt ggtagattc 300  
 caaaagcaat atcagcaagc tatttcctat tagcttgaaa taagttgaaa atgtcccaact 360

ttcaagcctt ttaactcaat tcaactcagt gagcagtgt ctcctttctg cagctttttt 420  
 cctgataaat atgccccacc ttaaagcagc tttgagctta agccacccaa caacagcctt 480  
 ccctgaagac tttcctgat cctcgttgaa tgtctgatac atct 524

<210> 41990  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910031a05d1  
 <400> 41990

gtcttgaaag actttgataa tttgtgagtt cccgcctcac tcataaatgt atcaaacagc 60  
 accgaataaa gaacatgaag tttaacaatgt gtacgttttt ttttgaaagg gagaagaaaa 120  
 aagggttcag aatatgacca tgctaaataa tctgacacaa ataataaaca caacatttga 180  
 aaatcatatc ttaacattga atgataattt tgagagggtt ttgatcacag agaagctact 240  
 agctttttctg gcttaacttc ttgactattg tggccatgta ccttccttga tactcagcaa 300  
 gggccagttc tgtttacta gcctgccttg atccatcgcc agcaaaaact ccagcaccat 360  
 atggagatcc acctctgacc gagtccattt cgaacattcc agcaccgaag gtataaccaa 420  
 taggaacata gagcatacca tgggtggacta actgtgtgat tgctgtccaa gctgtgggtt 480  
 cttggcctcc accctgagtg 500

<210> 41991  
 <211> 489  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910031a06d1  
 <400> 41991

atgagtattc tcactaatg aaggaaaggg gatgacataa tgcgtcaagc aacgctcata 60  
 tcacacgggc aaaacaatta gtatcccatc caacaaaaat cataaaagt aaatttcaat 120  
 aaaaaagcat caataagt ttaaacagat aaatggatga aagcaactac acatttagtc 180  
 cacttactca atcttggggc cagcaccact tccaccagaa ggagcagcat aatcatcctc 240  
 ggctgcccc a gcaccagcac caccatgtc aggaccagca ccaccttgg acatcttggc 300





0953113.032200

aagcgcataa aaggttgatg tagaaaagat tttggtaccc ggctcattat gttttgttgc 360  
agccactgcc ataaagattg taaagaaagt agaaccgcgt aaatggccaa aacgaccttt 420  
tagacttggc ctagaccagc tttatgaaag atgagctcca cctcgcatg cttatgggaa 480  
ttggacaatg aagactaagc gtttgaacca tcaaaactgt cctgcgcact ttgacgtctt 540  
ttttct 546

<210> 41994  
<211> 216  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910031a12d1

<400> 41994

agcccaaat attacttaa atgaaaaaaa accaccaaatt tttccccac 60  
gaaaattaac acgaggatca aaacttaaga gaatcaatga ggaggattag ctcacagggg 120  
tactacaatt ttgggggcct acaaaagggg gcacattaac ccccttaaatt gggggagacc 180  
acttcccaat gtggaatata agattctgcc ttcctg 216

<210> 41995  
<211> 393  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910031b01d1

<400> 41995

nagtgtccag ggaatgnnna gatttctag tccacnntnn nagtttacgg ccaaatacgc 60  
ctaataagaa aacaaataat tccaattcat atatgaacat ttttgctttc ttatttcttg 120  
aaaatgtgga attggaatgg cccgaggaat tccgatctca tttcctttgg cttcaggata 180  
ggcctaataa gaaaacaaat aattccaatt catatatgaa catttttgcc tccttatttc 240  
ttgaaaatgt ggaattggaa ttccccgagg aattccgac tcatttcctt tggcttcagg 300  
ataggcctaa taagaaaaca aataattcca attcatatat gaacattttt gcctccttat 360  
ttcttgaaaa tgtggaattg gaattccccg agg 393

<210> 41996  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031b12d1

<400> 41996

gggttaaagt tttaattcta tcattaataa acgaatgtaa atagagttga acaatagatg 60  
 tgtagatata caattttaca actctttcct ccaagaataa atgacaaaaa gtactcaatt 120  
 atcccaacac aggtaaagta gagagacata atttatagca attttgctct gtgggctatt 180  
 tctgcatcga tcattgctaa tacaacgaga aactcgttca atgaggtctg gcgtgtgggt 240  
 aaaaaaaatt gttattatag tcagaaaact ctggattctg atcactagca tgctaaacaa 300  
 attttctctc agaaatcttg aggttgactg tgcagtaacg aaaactaaat gttgtaattg 360  
 tagggataaa ctaaagggtg tcctttcact tgagccgaga gcatgaatga tgatgcatta 420  
 taagatcact tgcttctctt tttggcttca ctgtagagta taacttccaa agactgt 477

<210> 41997  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031c03d1

<400> 41997

aacaaggact gggaatggat taaaatggcc aaatgaaagg caacacaaca cagacggacc 60  
 gagcatttta caagataact gggtcactaa aagttactat tgtttagttt tccacaatca 120  
 taaccgact ttttgaacaa ttgactagct aaaaatgcag ccaaaatgtt gtccctcaaa 180  
 aaghtaacca atttggactc agcctgctga atagaacca ccatataagc tgtagcaatg 240  
 acatcaatgc ttctccatct tctctccttt gcataattct tcaagcttcc ctcaatcctt 300  
 ttgaattggg cctcttcata cttctctttg atatgttggg agaaggccgc agctaggcac 360  
 ctggctaaaa caatcccatc ttttaaggca cagcaccctc cctggccaag gtctggagtc 420  
 atgggggtgga aagcatctcc accaacacaa atattgcctt tactaatatt cccaaaca 478

<210> 41998

<211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031c04d1

<400> 41998

ctcattctat aaggattatt tgaatatggg gacctgagtt ctctcatgaa tccagatatg 60  
 cgaggtcaca cctacactct gtacattgta caagtcacta ctttaataca tataatcaaa 120  
 caatcaatat catgtcttaa aatgcataca tttcaaaca ttaagattgg aacaaagaac 180  
 ataggaagca agttatctaa aatcattcag cttttctttg gcattgctgc aagtctcgtg 240  
 tacattcttg ccatggattg atacctctta acatcgctg aacgcagaag atttcctgaa 300  
 tcacaattca gtgggctgtc aggttctgga tgggccatca aggcaattat agccctacag 360  
 acagattgaa gcgtccaagc cgggctccaa gcatttttca agatatctag gcaaactctct 420  
 ccagtcttaa aatgcacatt agggtgaaat attttagtca aaaaccggac ttgagggtggc 480  
 tgtagaggat actgctccgg aacagaaaaa gcaa 514

<210> 41999  
 <211> 516  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910031d05d1

<400> 41999

cgctggcaaa gccaatatga tagggattgg attaaagatt ttctgttgta tttagtgttt 60  
 tatcataata cacacaggac cagtcagaat atgataatct aataatgcag agatgatgaa 120  
 gtaatgaaaa cctggagtat acaatactac aaaaacaaat tcactcgtca tccttgatg 180  
 gatactcttc tgggacatgc ttgagaagtt ttacctgcaa ctcaaacaca tcatcaccgc 240  
 gaagcacatc acgaagccaa gttacctcag ttttcattga caccatatct aaggctcctc 300  
 tgatgactcc acttaagatg ttgcaatagt acaaaccttg gcagttgtca ggaagctcaa 360  
 caaaatctac caaaggatta tgctccaaaa caatactaca acatgttcca tnagtatccc 420  
 aattggtcac agatgcagta acaccgagga acatnttaaa accaaccctt gcaataacat 480  
 cagtcgtctt ttgaaatcgt tgcatttgga gacatt 516

<210> 42000  
 <211> 510  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031d06d1

<400> 42000

cgacaaacaa aatttccaaa ttgggtgcag gattatgata accttaactc gcaaaacaaa 60  
 aaaaccaaag atatttagtt ctgatgggca tacaaaacaa aaatctaata cgaaaatatg 120  
 aatcataaag tttactgtga aacaccagc cacttagaaa agttgtcgaa ttctgtataa 180  
 tcagaatctg acaccatagt gtgataccat gctttcccag cagacttgat ggcagaagct 240  
 tcctccttag agacagtctt cctcttcttg tcgagcttct ccttcttggc cttaacgcgc 300  
 tgagcttcag caagaagagc catcctctta gcagtcttgg cataaggatt cagcttcagc 360  
 atagagttca gggtcttaag aggggtcttc ttcaacgtgg ccttcttcac atccttctta 420  
 atgggcctca caacagactg aacctcgtca gaataataat cctggcaaga tcagagttaa 480  
 ccatcttggg cctgggaagc aagtaccctt 510

<210> 42001  
 <211> 551  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031d11d1

<400> 42001

gaataaaaga tttgcaactt aatatatata aatattactc aaggcaaggt acattacata 60  
 catagatgat gattaataaa gctataataa acaagaaaag atgaatactt aattatgaag 120  
 agtaaaatca gaaatgacta aggatgcaca agaccgaaaa ggaacacttg aggaatacat 180  
 acatggaaat tataaaaagg aaaaagaaaa gacacaaaag ggatacaaaa tacacccttg 240  
 gacacaagca tgcttatcca caatttgatg catgacccta tggttttggc cttatcctcc 300  
 aaaccctcca acaattgtag ctgatgaaag gaaaaaacga aaaagcctaa attagggaac 360  
 tgcagagaca gatcactggc actcctcaac atagaaatta ttattcttcc ggggaaacac 420  
 cactcatagc tagccttggt ggcaaattaa ggtagcttaa ttgattaatt aattaagcgt 480

tgcttctgaa ggatccaaga gccttgatag ctgctgctct aaggatgtat tggtagtaga 540  
atgcagccac t 551

<210> 42002  
<211> 525  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910031e02d1

<400> 42002

gaatacaagg gttttttttt tttttcatta acgaagcaaa ctcggtccta ctagcaacaa 60  
attgggacaa gaattacagt gttttcgaaa cacataaaat atcctgttac accaaaagca 120  
cctaaacacc gatatacaac actaaattaa atatggaaaa taaaaaagta atctaagctt 180  
tcttaggaga tttggtagcc ttggatggag atttaggttc cttggaagcc ctctcagtct 240  
tcttaggcaa caaacaggg ttgatgtttg gaagcacgcc accatgtgca attgtcactc 300  
cagcaagcaa tttcccaaac ttttcacgt tctcactgc caaaagcacg tgtcttgga 360  
taatcctgtt cttcttggtg tcacgtgagg cattcccagc caactcaagc acctcggcag 420  
ctaggtattc gagaactgca gccaaagtata cgggagcacc ggtaccgaca cgctgagcgt 480  
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<210> 42003  
<211> 291  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910031e07d1

<400> 42003

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aaaccaatcc caaccaaggg gatctaccaa ctctaaaaaa aaaaaggga agaaaatttg 120  
tttgcaaac tgggccccaa aaaaccttac atacaaatta acgcggggta aatttaaggg 180  
cccaaacaa ccctttatcc catgggtaaa aaaaaaggga aggggagggg gattttgaaa 240  
cctggggggc ccaaaaagaa aagcggaata atcttatgtc ggattttgac c 291

<210> 42004  
 <211> 568  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910031e09d1

<400> 42004

gtatataata tatgctatat acgataatac agtgcacatt acatgaaggt ttgttattac 60  
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 gacatgcagg ataacactgt tcaaacagaa tttggtgcac accattgttc aaacggtata 180  
 tgcagtacaa gttctttacc ctgaccatcc cctctgggga ttatgcacat tcaaccggtc 240  
 atgtacagag ttaaaatcta taggttgctg agtttctcc atcctctgga taatgcttgc 300  
 tacatgattg cctctaaatc ccattgctcac aaatttctcg atcaaactcat tgtagggatg 360  
 gctacgaata aattgtgact ggctaggact cgggaccata agattatgtg atgcagggtt 420  
 gtgaagggat gcactagtgt gaggatatcc agcttgagca taatgagaag gttcangtgg 480  
 ataatgtgct ctggcattct caccatcata cacattgtag gaactatgcc gaggacgcat 540  
 ggtgtgcgtt ccactatttn catacaca 568

<210> 42005  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031e12d1

<400> 42005

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 atggcaaaa cctaaacccg ggtattagat cgttgaatct ctttagcaac aaaaagcttt 180  
 tagacttaaa ttattaaaac atggggtata cctactctta ataaaacaac aaagtgcgca 240  
 caccactggc ggcaacaata caacaatggt tctgagattg caaaatttga tttggttctt 300  
 gaaggaataa cattaacatt atcctaccag acacgtttgt gataacatgt tcaattactg 360  
 gttggcaaat ttgattccct tttcaattga tgatttgagt tcaggcttaa 410

<210> 42006  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031g10d1

<400> 42006

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 ttgatttcga acactactag gacagaggga atacttgatt cggctgggtca tgccgggtata 120  
 gcgggtacttg aaaatcacaa cgcattgctca caacttggca aacatgtaaa tcacagagcc 180  
 ttacgctgcc tgatcatata aaatgccaaag taactatddd aactatacaa agtcctgtaa 240  
 acaataacaa taatgcacca tttttacttt tttgcagatt tgcaaactgc gactgcacct 300  
 taatcctgca tggctctcat tttcacactt tctaaatata gccatgtgcc ggtgtga 357

<210> 42007  
 <211> 548  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910031g12d1

<400> 42007

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 cccacattaa tttcctctcc gaatgatcaa taacagttag gctgatcgca agcgtgagaa 180  
 gcgagagcac catgccgccg acactagaca ataacaacgg acgacgacc acgcggtcca 240  
 acgtaaactg agccgccaag atgaacacgg tcttaacgaa tccaacggcc acggttgcaa 300  
 gaagcttatg cgtgtcgttt gtaatcccag ccttttcgaa gatcctgggg ctgtacaaaa 360  
 cgacggcgtc tacgcccgcac gcttggttga agaagtgaat accaaggga gcgattacga 420  
 tgtgacgaat tgcgggcgtt ggatagagga agagctcttt ccatacacct tcaccgttgc 480  
 ttgtttattd accgtgaacga ccgtcgtgtt gcaactttcg gggatccctg cggtttgttg 540  
 atttccgc 548

<210> 42008

<211> 507  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910032a03d1

<400> 42008

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 gaggagaaga aacatttctt tagaagaaaa caaaagtagg ccatttaatc ataccctttt 180  
 gaccattgca cccattatgt catccaaggt cccaaaagta ttctgcataa atccatcttg 240  
 ggacttcatt tgctccaaaa tgtaggcttc atttggcttc agtcgaatgt ctgaagagaa 300  
 tttctcaact tcagtgcacc tgctgattga tggggatgct ccatttagtt ggccaaccaa 360  
 agatgcatca actctattgc tacaattgt attatTTTTg gtttaaacca tgcccatag 420  
 aacttttcac tccactggaa gaagcatgtg aatntacagg attaaaggaa tgaccacgt 480  
 tttggttata atccagttta tgttctt 507

<210> 42009  
 <211> 508  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032a05d1

<400> 42009

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 ataaaaaaat aaaatcttgt catataatga aaattgaaaa gactcaatat ttgagcaatt 180  
 aactgttggg atatgatttt ctcatggcgc aatcctaagt gggtcacgag gaaagagtga 240  
 tgttttgcga atgttattca ggccacagaa gagcatcact acacgtcca accctactcc 300  
 aaagccacca tgttgttgtg caccatatct gaaagaatca atgtacgaag atattgtttt 360  
 gacatcaatg ccgcaagctg ctgcacgttg ttccaaaaat tctggcacat gaacacgtg 420  
 agtcctgaa atgatctoct cacctcgaat aaagacatca aacgagttgc tgtatgctgg 480  
 attgtcatag caaggcattg tataaaat 508



<210> 42010  
 <211> 544  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032a07d1

<400> 42010

atgtaaaatc agttttaaac ttttaataaag tacaagtata atcgttttaga ggttctagaa 60  
 aatttatttc cttgattttt ctttggtctaa caatccaagg cagaagattt cagttcaaag 120  
 attttaatca taggaagtgt acacattgac aagttgtatg ctggcaaagc tttgccatgg 180  
 tcattcaggt aaactttgtc acttcatcag agatcataac ttactaggaa taacttcctt 240  
 agaaatcact ccactttttc cagaattgaa aatgtccttt ctttcagcaa taaacttttag 300  
 caaaccgaga acccttctct ttatttttat tggctgtaac agactgaggt ggatcatgca 360  
 taggatgagg attaggatat gatggccgca tcaatgccca tacagatgaa aggtattcgt 420  
 tcggttcac tagaatccgt agaagtgata aatcctgcat ggcttttgag aatttgaaga 480  
 cgggtgccaa agcagcagat ggaatgctaa aattaagatg aggtattact gtcctccac 540  
 tatg 544

<210> 42011  
 <211> 572  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032a08d1

<400> 42011

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 agttgaaggg ctattaattc cacactttcc aaataaattc tttgaagtga acagaagagt 120  
 tcaaagagct aaacactaca aatatacgca tttactttta caaatgagtg aacgataaac 180  
 attatcacc taacgagtaa acataggaaa cttcaaactt aactacagtt tagtggagaa 240  
 gaataatata atatcatgta tgtatgagac aaactaggca agaaatgttt attcatcata 300  
 tcagcaccat aatccatcgt tcaaaccttg gacgtaattc tgaacgagta atccaggaaa 360  
 agataaaaaa agaacaaaat cagcagctcc atcaaaagct tcaacttttt atcaactcatc 420

tactctattg tgtgggaatg gaaccaccag cagccttgat ttgttgctgc agactgaata 480  
 agtactgtag agcgttcttc agtagagagt actcctgttg caactgtgat agacatctca 540  
 tacatccttc ctggttctta gcctcacaaa aa 572

<210> 42012  
 <211> 484  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032a11d1  
 <400> 42012

ataaaaatag tacctacaat aaacaaaatt ttatttcgaa tatgagaagg ttggtgtctc 60  
 gaaattagaa aacactagca taaatggaaa gaaaaagaaa gttcaatctg aagagagaaa 120  
 ccacgcggcg tacacgagca cccattccgc cattattgag tattccaaac caaaagagag 180  
 ataagttaat aataataact aaagtgcatt cagcaaatac caaggcatat cggtttggga 240  
 cttgcattga ttagaacatg ctgtgttccg ggctggaata tgcaaggaac gtggacttgg 300  
 ctgaggagct aaaccattg aagttagtcc ccgacgacgt cgaatatgca cccatgttcg 360  
 ggaacactag ccaatcgttc acttgcagtc ccggcagctt ggaatccctc agaaccgcat 420  
 taatagaatc gcacgtgggt ccaaacacgg tgctagggta agtcttcaaa atcaattccc 480  
 tgct 484

<210> 42013  
 <211> 358  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032b02d1  
 <400> 42013

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 tggggacaaa caaaaacaaa aacaaaaaca ccgggggaga gggaattatt gggtttttgt 120  
 tgaataataa ctaaaacata aaattcaatc taaaactgga gtattaaaca aaacagggga 180  
 aggcaccac catttattat gttgggaatt ttttatgaca agccatccat taaacaaaaa 240  
 aagaagccaa gcgtttgatc atggccttag caagaagagt cttaggcttg aaaagctgga 300

aagtatgctc cttatcccca gcataaaaga gttgaagttc accttgccag ccaatttg 358

<210> 42014  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032b05d1

<400> 42014

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 tgatacaact tgttttaaaa aggctaaggg gataccaaaa aatttattgg acaacaatat 180  
 ttacactttg ggaaaaataa cgctgtacaa tggggctaca actcaatttt tggggcttta 240  
 ttaacagata tcggctttga aacttaaagc cttttcaagc attcgaagtc cttaagggaa 300  
 taccgccata atgagatata acattacatg ggtatcacca ttgctttttt cccttttttt 360  
 tttttttg 368

<210> 42015  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032b06d1

<400> 42015

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 taaacctata ctagaggaaa attccttttt tttttacact aagatttatc actactcccc 180  
 aagaaacaag cacatgggtt agaagaaaat atgagagaga cccatataac caatggcacc 240  
 aactatgatc ttatcccctt ttcgatggct tatttaggcc acaaagtctg ggagcaattg 300  
 ggcagcaaac ctctttgggg tctggatggg gatgctctca aatgctgctg aagagtgaga 360  
 agtggaaatta ttcaatgcac caaactgggt tggttcacca a 401

<210> 42016  
 <211> 518

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910032b07d1  
  
 <400> 42016  
  
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 cacatactat cattctcgat gataaaaaaa taataataat aataatacta tcatcatcct 120  
 aaccggtcaa aaacaaaatt aataacaaat attaattaat taattaatta actaactaac 180  
 taaaagcttg ctctctttag ggaagtaata gtaacggaag aaccaaggga agaagttccc 240  
 acttgaatct cgaaggaatc atagcgaaga aagaactcca caacgaaaag cctcgaaacc 300  
 aaggtgacga agtcttttcc ggcgcatcgc ttgttcccaa gtgttggaaga ctgagtctca 360  
 ggcccattgg accacagcac gtgcttgagg agcttctccc ctccctcccc gacgaacctg 420  
 tccccgacaa actcctcggc cctctcgaag atcctaggat ccttcgtcgc gaatgtntgg 480  
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 <210> 42017  
 <211> 296  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910032c02d1  
  
 <400> 42017  
  
 gtgaaaaact aaatcatgct cgagcttctc aaattggctc taaaacagct agtggctgga 60  
 aaacaacagc attacaagaa tccccagaag aagggggaca acagtatttg tgcacttttc 120  
 atttccacgt gaaatatgtt acaagaatcc tatgaataga gttacaatt tttatctttc 180  
 aagagaacag ggaaaactgc aggtagtttc aatcaacagg gacttcaaca tccattttta 240  
 ggtcagattg accaagaacc ttaatgaagt catccaatgt caagtaggag tccttt 296  
  
 <210> 42018  
 <211> 569  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910032c03d1

<400> 42018

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agaaaacacc accgaaatcc acatttcgat ttacaaaaaa ttttactggc cagctgatgg  180
atgtgtcagc aactcaagtg atttcttcaa gaagtctact gcaactgaga catcatcaaa  240
tgccagtgcc ccaacggcaa atcttgcagc cttgtgtgcc tctgctatct tttcaggtgc  300
tggtctggtg ttactgtcgt actggtatgc ctgagtagtt gttggcttag gttccacagt  360
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ggaagaatat gaaacatctg atccttgata atgagtatag tttgatggga ctgatggaag  480
gctgctttct gtaaaacttg gataagactg aaaatgggga taagaataag aggaagtctc  540
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<210> 42019

<211> 569

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910032c09d1

<400> 42019

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tagctaactc gtggaaatgg ttggttccat ttcattgatc ataaccttca atctggtgtc  180
aaaaactatg gagtatagaa tacaatacat tacttgteat tgactcctat tttcttttca  240
ctgccgtctt tgctaataac aatcccaacc aatttacaag gctcagcatc ctcaagtttt  300
tgaaccacag ctctcatggt tggcttcaaa gctggaagag tccccgtgca caaaactgca  360
gttctcaaca ccttacaagt ttctctgtga tacatctcgg gaattctcga atccaccgca  420
ctcctaagcc cctctttgct tcgtgccttg ttatgaaccc agctcactat gtccttattt  480
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agctgtacac atcactcttc tcgttcacc                                     569

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<210> 42020

<211> 576  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032c10d1

<400> 42020

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 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180  
 aaattttaaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240  
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300  
 ttgattgaa tcacttggac ttgaagggaa tggccctgat tacgacctgg tggtagagtg 360  
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420  
 ggtccttggt gaagatgata gcagcaccaa gactacgagc aggggttgata ccagttccgg 480  
 tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc aagggtgcca 540  
 aaatggggac gtgggagtct ctggcgctac gtttgg 576

<210> 42021  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032c11d1

<400> 42021

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 atgttcacaa aaaaaaaggg gggaatttat ataataatac cgaaaaaaaa aaaccgattt 180  
 gcgtctgagg gaagggaaca tagagaaaat ttagcagtc tggttataag aagccggtgg 240  
 tggtgcaaaa gtgccttgcc aagaggggtg ggaccccttt tatttaacca ggggcctttt 300  
 gcccttgag gggcttgacc acttaccatg tgaaagcagg ggcatttttg tcaaagcggc 360  
 ctttgcagc cagtgttaag aacctgccat ttccacctt cttgagatca agggatgatg 420  
 agatcatgcc aggctgaag ccaaaactgt cttacaatg gttgggattt tc 472

<210> 42022  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032d05d1

<400> 42022

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 agaggaaacg ccaagccata acacattgga actcaatttg atcttttgcc tttggatgac 120  
 actatggaca tggtaaaaca agaaacaaga aaatgttaat tgtatcaggg tttttataag 180  
 ggattcactt aaagagagcc agcatgttgg gcaatcttgc tttcaagggg acttttggct 240  
 gccccgacca cactgtcaac ctttttgcca ttcttaacaa agaaaaatgt cggaacactg 300  
 ctaatattcc aacctgcagg aacgtccctg gcctcattta tgtcaacttt caaaaaaacc 360  
 acttttgggt acttttcagc caagcttggt taaatagggg aaatgaagcg acaagggcca 420  
 caccatgttg cagtaaaaac aggatcgcca gc 452

<210> 42023  
 <211> 546  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032d10d1

<400> 42023

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 aatttccatg tcacaaaaag ttattaaacg gtagtaatgc aggggggacaa tcagtctctg 180  
 tagttccatg atggcatatt gattaaacca aggggtgttaa cagtggattt ccaaggaaat 240  
 gagcgtctag gtttccaagg acaaggtcag ccatggcagt tcgagtttct attgtgccac 300  
 ttccgacatg aggcaacaag acaacatttt caagcccaaa tagctcttct ggaacagtag 360  
 gctcattttc aaacacatct agcccagcac cacccaaacg accttctagc agagctggca 420  
 ctaactctgc ctcatcaaca tgcttgctc gtccaatggt aataagataa cccttgggac 480  
 ccagtgcatt gatcacctcc ctgttgatga tgtgatgagt tttcttcgtc agtgggcaag 540

caacta

546

<210> 42024  
<211> 538  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910032d11d1  
  
<400> 42024

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aaaataaaag ttaaaccctc cagagcgtag aaatttcaag acttctgatt gcagtacccc 120  
cactggaatc actctctctc tctcctaag tctctaata gtagacatcc caaccctat 180  
ccctccaata ggagatataa actgctggaa cttgttgac tctccaataa tctcacctc 240  
catttgacg cagtgtgta ataaattctt caggcatatc aaaaagctct attgatttta 300  
gttttgtag gtgctcaatg cctaattgta cctgcttcaa tgaatcacag cgctggatga 360  
tgagcttttt aagaccaggc attgtccct cctccacagt catagatttc agtccatcta 420  
aataatcaag tctaacacc ttcagactag gaaaccctt agccttgaag tgcaatgtct 480  
cgccaacata aactttgaga aactcgacat gtcttagatt tggcaaatct tgaagatg 538

<210> 42025  
<211> 514  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910032e03d1  
  
<400> 42025

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acaaatggaa cagataaatc ctagtcttaa ttattggat acttccaaca tccaataagt 120  
ttttggcaag caatcttgca tggccaggaa gggaaaaacg tgaatcttct ttattgaaac 180  
caaaaaataa aaaatccatg tttcacttct tcaacagcat ggcactgcat tgtgccatta 240  
tctttgatgc ctttgtaatg gcatcagta tatagaaatt ctcaactaca gtcccgaatg 300  
gggtggtgt ccaccttctc agagaaggtt ggtctgagtg aagatggtaa tgtggcaggc 360  
tctctctcat ccattttcac aaggtttggg gctacagtag tgattcgagc acgaacggcc 420



ccaattgtat catagggcaa acgcactcct gccaccttag atagagctcg aattatcttc 480  
 caatcatctc tggagtcacc aactgttgga actg 514

<210> 42026  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032e06d1  
 <400> 42026

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 taaatcccgat gataatgtag acccataaac gaccacatat caaaatacaa acatccgttc 120  
 acagaacaac aaaaagactg taataaagaa agaaggccgg ggtaa atgat gaagatgctt 180  
 cacatataca gtccttctgg cacccttctt ttcttcttaa acataacctt atcctttgcc 240  
 ttcttgaagt cggcatgcgt caccttcac cggcgttctc gtaaagcaag taagccagct 300  
 tcagtacata ttgcttttat atcagctcca gagaactcat ccttagtcat aacaaattct 360  
 tctaagttga catcatcagc taatgtcat cttgaagtat gtatctggaa aatgcgtctt 420  
 cttgttttga tatcaggagg aggaaattta atcttctgt caattcgacc agggtcgcag 480  
 cagggttgga tcaaggcttt 500

<210> 42027  
 <211> 439  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032f02d1  
 <400> 42027

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 gttcacataa ggccaagttt ttacacaaga tatattttct tttttggttt ctaagccttc 120  
 aagaggggga acttatgtac acctgcta at agttccatct cacctttcaa tagcataaaa 180  
 gccagtgaga tttaaagtga aacttgccat cagcagctc cacttgcagg ttcaattgaa 240  
 ctgagcaacc cattgcctct tagctgcgtg caatgatctt cagcatcagc ttggtcacag 300  
 atgatcacia ctgacaatcc attgtagtgt gcttcttgca tgatattaac tgcattgtca 360

aaggtcattc cagggatgac cttcatcagt acttggacaa cgtattccccg tttattaaag 420  
 ttgtcgctgt gcaatatta 439

<210> 42028  
 <211> 537  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032f06d1

<400> 42028

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 aagcaacgaa atcaaagatt cataacttata tgggctaata atgttataact ttacaagaat 120  
 aatagcttat gtttttggtta attaacagtc aatagaagta atcactaatc taaacatggc 180  
 tttatctgtc agtacgaaat agtagtagta accaatagtt ttgttggtt taatacgcca 240  
 agaatgatcc agtgccagt taacttggtt ccaatgcctt tccagctgag gttggctgag 300  
 agaatgctag ttgagaacgt tcaagctcaa gatccttgca gaaactcttc ctcacggcat 360  
 caagcaattt gcttgcaatt ccttttcttc tgtagaggg agcaacccaa atggccctaa 420  
 tgccacaagc agcgggtggtt ggtttgctat cacagaagat tgcaccttcc atcctttcag 480  
 aatcactcaa ggaagcaaac tttttttcaa cctcctttg gaaataacat tcccaaa 537

<210> 42029  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910032f07d1

<400> 42029

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 catgactaag ataaagatta acaaactcca gagaccacag aacgagaaat tttttctaaa 120  
 agagtacaat ttaacatcac agaataataga gtgaggaaaa agttctactc tccaggtgca 180  
 gagacgccct gcttcagtct ctcttttttc atcttcttct ttgagattgg cttttttttt 240  
 ctaggagggg gggctttctg tgcatatgtg tatagtacat aatttccaac gaggaatatc 300  
 aacagcaacc caccaacaag aaggagaaca attaagtctg ggttgaaccc ttttgaaccc 360

acgcgatcga aggaaggagg gactttgtcg gagaattcga agtcgtcggc catggaggaa 420  
 cggcgaaaaag gaacagatct acggcgggaa gaatcacgag ct 462

<210> 42030  
 <211> 499  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032f08d1  
 <400> 42030

gaaaaaaaaa ttgaacatag tttattcata tcatgtgccg cgcgtgecta gtttattgat 60  
 tgtgaaatct aaaataagaa gtggcatggc atgaattatt taaacgtaaa atgaaacaag 120  
 aggtaaaaag atggattata aaaatagagt gggagctgca tagtagtaaa tagtttatat 180  
 ttgatcatcc cagagatcag cgagttgtgg tttggtgggt ccgctgatca aacggctctg 240  
 gctgatttga cttattttgt gatgatcttg ttcagtcaat gccagtcaa agatgtgcag 300  
 attctggttc atcctctcct tatcgtagct ctttggcaca aatgtcacac cttgttcgta 360  
 caaccatctc agactcacct gggctatgga tttcccatga gcctctgcaa tctccttcag 420  
 cacatcattc tccatcactt catttgggcc cctgctcgca ctttctctca gtggagagaa 480  
 cgcagtcact attatccca 499

<210> 42031  
 <211> 509  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032f10d1  
 <400> 42031

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 caatgaaata cattgggcca atagagatta caactcaatt aagaataata ataaaaaaag 120  
 aactttttcg gtgtacaaat taaaacattt aaataaggaa tataatataa ttaattaaca 180  
 aaggagagag accgtgtttt cttcggaatg ttgtaatgtc caagataact aactaagacc 240  
 aaaaaatggc aagtggcatg cataaacctt aagcatagct ttgtagcttt cttcatcaat 300  
 aaattaacaa cataggaaac cttaggtaag tgacaatcgt gcaaaaactcc atcaaacccc 360

tcttctgtgc cacagttgca aattgcaatg accaattgag ccacactatg aattctgtga 420  
 agatcgtata gagaaatgta ctggcagcca aaggccatgc cagctcttca actttgatat 480  
 agtggcttat tgtgttgatg tggaattag 509

<210> 42032  
 <211> 447  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032f11d1  
 <400> 42032

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 aaaaaataaa tcaaaccaca aaacagctca tactttcctt tgctataaat aacaaaggga 120  
 aagtatatac ttaacctaaa aaacaacaat caaatacacc ttgcagcacc tgagcaggcc 180  
 ttaccaacc aaaattgttt ttcagataaa ttctccctt tactcgtttc aagttgccac 240  
 aaaactccac acatcaaaaa atttaatatc atttcctaaa aaatccctag tgaaatgaac 300  
 tacatactca gcaccaacaa atgtgtggag agcagtgatg gtctgagtca ttggcaagag 360  
 gttcaagagt aaaccttatg cagtccaatg ttgagatcag atgatatgga aataacaaga 420  
 ggaatagact gaagccacat ggctctg 447

<210> 42033  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032g02d1  
 <400> 42033

acccaaactg gatattgatt gcttttctgg aatatatatc gttaatataa caaaaataga 60  
 ctcgctctat ctaacaattg tttttggatc tcctttacag aatattataa tgtaacgtac 120  
 aagtaaaatt ggttaaaaaa attaacaaaa agcccccccc tgtgcaagag caaaagtgat 180  
 tgaaagccag aaaagaaacg gggaaattga aagggggcta aattcaaaaa accccaattg 240  
 cttgctcagc tagctaaatg gctaggagag ttgttgaaca tggggtgcca cataaatgct 300  
 cgggaaagca ccatcttaag ctcccgggga gtccagtttt cttttggaag ggggtgaagg 360

aacattacca attcttggaa atgaagtttc tggagcttgt ctgaccacct tagaaggaag 420  
ctggccaata tttt 434

<210> 42034  
<211> 495  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032g03d1

<400> 42034

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ttacatagct tatcgaaaaa aaaaataggt tctttacata aaaacaaggt tatgtctagt 120  
tactgactta agttgcaaac aacagacaag ctcaaaattt gatactctag ttacttttat 180  
ggaaacaata gcaactttct attttccatt gctgaaaaca agctgaatga atattcatct 240  
tttgaatcca gagagcaaaa ataattaatc ggtattaaga ggaagattga ttgtgtgtca 300  
agctgtgctc atctagccaa gatattgatg tcaccaaaaa cttgagttat tattttatca 360  
ggctcaccct caagaagtgc atgataggca ttcttgtaaa gctgaagctt tttgtctgaa 420  
cagcttgcac tctcatacaa ggctttgctc actgatggat cagtcacagt gtcagcttcc 480  
ccggaaggat gaatt 495

<210> 42035  
<211> 472  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032g04d1

<400> 42035

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agcacgagct atagggcacc taagaaacag gactaacaaa tggtaaaaag ttaaataatt 120  
tcgctaaaat taaaaatgca ataaacatta aataccgat gccagagggc tggaatgttg 180  
aagtctcata taacttataa gcatctaaaa gtattcactt gggaccacct ccaagtgttg 240  
tcatcatttt cgcaattaca ggacctacct ttggatttga ttggtgcttg gcaaaattag 300  
cagggttctt cataacatct tgaagagcag ccataacctc cggatcactt aatgccgcct 360

tcagttcaag gtcactcaag attttgctaa aatcaatggt tccaggcacc cctccaggaa 420  
 tgccaccagt ttctgggaaa gcctccccag ggaatacccc cgccccctgg ga 472

<210> 42036  
 <211> 530  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032g08d1  
 <400> 42036

accagaatat aacattaaaa taaccaaadc gaagagggtc gcaaacaaaa ttttaagtaaa 60  
 tggaatgtgc tgacaaaata actcaaattc actcttgcaa aactaatggt atccaaaagt 120  
 ctagtatttc caaattaaaa gacagactaa gaacttgtag cagtatccaa aaaggctctt 180  
 ccagggtcac gattggccaa tgggtccatgg cacccaagaa gctttgcatt cacaccatcg 240  
 ggcacaattc tgttctctga cttgaacttg agataatcag aacggctaaa cttggtgaag 300  
 ccccatcttc tgctaactat aatcttttga cgaccaggga acttgaactt ggcacggcga 360  
 agagccttct gagcatgatg gctgttgctg gccttgccagc ggacagaaaag aaagacctgt 420  
 ccaatagccc acttagcaca agtaccctgt ggctttccaa aagacccttt attccagttt 480  
 ggagcctatt accaccacac accaaagcat tttgttgatc ctaagaacat 530

<210> 42037  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032g11d1  
 <400> 42037

ggggaacca ggaagaacca tttgctaatt ctctcattt ttcgggaaaa ttgcaacctc 60  
 cataaatca ttctgaaaac aaaaccatcc aatcatttta acatccatct aaataaaaaa 120  
 taattcgccc aaaccagaac ccagaccgcc attaatctca agctttaacc gaaaaacaga 180  
 acaacccaaa ccattttccc atttgggatc cacaagttcc acactttcta tttaccaatg 240  
 gcctaataat taattattaa tccactagtt tacactacta aaagcttggg atagattaca 300  
 cttacactcg ctatgttaca aaaaaagttt tcccaaacca ggacgcttca ctacacacgg 360

acaacggaaa caacgtgagg gaccttgcca tcattaaatg ggaagcaaac gtactggcac 420  
gcaaacttct tggggatctt aaacgcgagc t 451

<210> 42038  
<211> 501  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032g12d1

<400> 42038

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taagtaggga agcagatctt atcagtacac ataggtaggt tgaaattcta gctctagcaa 120  
tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180  
aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240  
aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgcttcca aggaaatggc 300  
aaacaggggt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360  
cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatta ccagccacca 420  
atggaaccat gaaagctgtt gtttcacgga cttatggcag taaaaactgc agttctgaat 480  
ttagccttta cacataactg t 501

<210> 42039  
<211> 407  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032h01d1

<400> 42039

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aacccttgac tactttggaa aatagactag ggaattttgt cccattttca aattagaggg 120  
cagagggaaa actcctataa tatggccaac gataatttta tgggcgggca aaaccacttt 180  
ttttcagatg ggggggggggt tcattcacca agtaccaaaa ctgcagccaa ggggtttttg 240  
ggggaggact tcaagacgat ctttcatgac agccataaat gaataagctg ggaaacacag 300  
ccggaaaaag cctgtgtgaa aagaaggcag gccatcacca ggttcaaggg atctgtttat 360

gttgaggggg gaagccaaac cacggaaacc ttcaaggggg aaatttt

407

<210> 42040  
<211> 500  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032h04d1

<400> 42040

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taacaacata ataagaagta atcctcacta atcactacaa attcattttc atcccaaaac 120  
tctgaaatca gtacttcaag tttcaacttg cctattgagg catggaagat tgaaataaga 180  
tacactgata gtgatagttt aaatacaaat aaatcaaagt aaaacagatt cttagttcgt 240  
ttaaaaaatc ttgcttgctc tgctctcaac ctgtgtatct tattcaacat tccattagac 300  
tttacaatca gcagagacag aaagtaatat ttagactagc ccacgatgcc ttgaactttc 360  
tataaacata aaaattgaag aagattccaa caattcccca tgtaatataa ctcagatctg 420  
aatggtggga tattggatgc acatgcagtg atgatgggaa agttgatgag ttgaatccac 480  
ttgtggttgg ggaatttgcg 500

<210> 42041  
<211> 495  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910032h07d1

<400> 42041

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tagaagaatt agcggagtcc aaaactaaat gattgatgca tcttatgagg gtatttaatg 180  
acccatgtaa ggagcaccag caccaggatg aggtctcaca ccaactggtt gtcccatttg 240  
aggattctgg catccgggtt gcattgttgg ctggttccca taccatag caggttgatt 300  
cgcatatgga gcaggcggcc cccctggtt aacgggggca ccaccaagcc ttccaagaag 360  
attccaagc cccaatacag ctcctgatt aatcaatgca gtcaacgcct gttcaagcac 420



cggattcaac ccctgggccc gccaccaggg ttaaaccccc cacaactaag cccggggcgc 480  
 ctaaaatgac acttc 495

<210> 42042  
 <211> 500  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910032h09d1  
 <400> 42042

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 atttaacata ttacagcca caaatgaaaa cctgttcaat gtcctctccc tccaaccaac 120  
 cctctcctgt ctctaacac aaccttaaca aacaaaaaaa atacatactt caaatcacia 180  
 acaacactgc tggggccaat atcctatcct ttttcaccca aaaatgggggt attcgggaaa 240  
 agaattacaa tttagagaaa agttaaattt aaaaaattga cttctttatc aaattttcct 300  
 ttccaaagta aaaattgaca tttctaaagt agtcattctac cgtcattgtt tttcattgtt 360  
 taaatgcagt gacccgtccc tcatcaacgt aaggctgaga ctggcaaacc tctctcgtga 420  
 gtactgtctt gatgcttata tacaatctgt gccagccttc atcatagtag aaaaatcggc 480  
 gcaacttata cttccatcct 500

<210> 42043  
 <211> 499  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910033a01d1  
 <400> 42043

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 taataataaa tgccctggac tatggaatca gaagatggaa aaatgatttc acaattattg 120  
 agcaattaaa agaatttcat actaactata atgaaaaata aatgagataa aagtaagtta 180  
 tatttcattc tttatcatta atcactaata gccacattta tactgagacc atttttgaaa 240  
 gtcacgtca ctgtcatcag attgctctgg actaggaact gccacagaat cttcctgtgc 300  
 tttacatcg gcatcctcct tttttgttgc ggccttcgga acctcttcat gagttccagc 360

ggttaggtcc acaacctact acgacatcac caaatctgag gcatctctac cgggggtattc 420  
 ttctgacttg gtggaagcta attttagtag ttcaataaac aacttataat gaggatgaac 480  
 ttttgcaatt gtatttaca 499

<210> 42044  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033a11d1

<400> 42044

atacataaca ctaatgaatt ttattttaag acgttctttt tatttaatcc aaacacactt 60  
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 caaatcatta tagttcatgg ggatatataa ttaagtcaat tatgttaata ttccataata 180  
 aatacgaaat gaatgtccat caaatTTTcc tagtgcaaaa accatacaag gaagatcaaa 240  
 ccccgaaaa acgggggacta aacagattcg tgttccatat tggatgacat ctagatttag 300  
 ttgtcaaccc cggattcaat accggtggta cttcgtagct gggttattgg t 351

<210> 42045  
 <211> 547  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033a12d1

<400> 42045

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 cgcaaagtca ctcaaccagc ggtcttcaac cataaatggg gagaacgcat aacctctaatt 120  
 tcaaagatca gtaatttgta gagcataatc ccaaagaaaa ccaaaataat aatcaattag 180  
 tttaggcaaa taattcaact gctcatcttc ccaatggaac tgcataagtc agacaatata 240  
 aggcatagct aaaagagacc gtctgagtta gcctaattgc atgaagtatt tctggctcaa 300  
 aagatgaaca ccttagatat ccatggctca gaattttata atagccttta gtctttgcca 360  
 aaatcagcac tgtagtgagc actggattca agtttctttg catcattcag ttttctaaca 420  
 gccttcataa aatcttcatg gatcacatat tcgcgttctg cacgaattgc tgccattcca 480

gcttccgtgc acacatttcg aagatcagct tcattaaagc cctcagcaag gttcacaaca 540  
gcttcgt 547

<210> 42046  
<211> 375  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910033b01d1  
<400> 42046

agatcattga cccaaaaaca tagggatcaa tcaattgatt taataaaatc catttcaaaa 60  
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gcatgactga gcaaagacac cacagtgcac taagggcctt catggtgaag ggtggggtaa 180  
cgagtttaaa tgacagacac acaacattga ctaaaggcta ttaccacttt aatactgcat 240  
tgaaatacgc aatgaattaa caaacctaata gaaactttgg ctctagctca acttcatatt 300  
taatgagggg ctaacatgct tctttttgcc ataattctgc agggcaaagg caaggcccaa 360  
tttcaagaat ggcta 375

<210> 42047  
<211> 533  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910033b11d1  
<400> 42047

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caggggaagc aaacagaacc tcctcttcc acctgtgtac atcaacacac taatccaaaa 180  
acccttaacc atatactgaa cctatgactc accaactgaa atcggttggc cgagatccc 240  
caacggcgat cgggaaatct gccggcttat ttgcggaaga acagatctta tctctggctt 300  
gccaggggac caatcaacaa ttttctctga ctcttgcttg atcttcataa cctggctatg 360  
aactgggaca cccttttgtg caaacctttc atcngtggtc atcttcatgt tctccatgct 420  
ctctatcact caatggaaaa aaaggtttca attgccaaag tttccagct acccttcttc 480

taattctgtt tctctatatg tgacaatcta caatggacaa aaaacctcga gcc 533

<210> 42048  
 <211> 566  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910033c01d1

<400> 42048

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 tgagccactc cacaaacttg ttaaaattct cataggattg tcccccttct gcaatgttac 180  
 ttagaaccat ttccttcagt ttttgagacc tcccccttat gttctcatct ccaaggattt 240  
 ggtctacttt cttctttatc tcccaacgtg atatcagccc tttgtcatcc aaatcgaatc 300  
 ccaaaccac cttccacata tcacaaatgt aagccttgtc aactaattgg tcagtataat 360  
 atggccaaca caagaaaggc accccattgg acacaccttc caaggtagaa ttccaaccac 420  
 agtgactaat aaaacaagct attgcagggt ggcttaacac cttttgttga ggtgcccatt 480  
 taacaatttt accacaagtg ccttggaatt catctgggta tgtgatnttg gtgcttccac 540  
 tggcatcctn acgaacaacc cacaga 566

<210> 42049  
 <211> 543  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033c10d1

<400> 42049

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 aattttaaca tgcatagact tacacaccga aattatgagt attagatcct caccxaaata 180  
 taccaaataa aatattgtta ataactttca actttgctgg cgagtgggcg ggctttacac 240  
 atagcctcca atggaattaa ccttgacaag gtgatccaat tattctctgt catatcaagc 300

ttcttctcac ttactcgttt ccagtcaaaa cattgaatca ttaatcccaa agtatagcta 360  
 acacttttgca tagccatggg ttctcctggg caagcccttc tteccatacc aaatgctacc 420  
 aattttcttgt gctctccttc ttcacaaaac ctcttagggt taaagcttga cgcactcttc 480  
 catatcttag gatctctttg catggcccaa ccattaataa tcacaattgt gtctcgtgga 540  
 aca 543

<210> 42050  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033c11d1

<400> 42050

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 ttttaatagc ataagagata ggcaaaacca aaacatagtt ttagttcaca tgtctatcct 180  
 gagactgctc agcaccagat acccacttat gaaggcatat ggcagcagag taatttgaac 240  
 cacatgcaat atatttcaca tgtctatcct ttaatgcttc aaccaaagcc ggtgttttac 300  
 gatcttcaat atctccatga cccagactcc catttgcgac ctttcccaa gggttaacct 360  
 tatttttg 368

<210> 42051  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033d01d1

<400> 42051

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 catcttcagt tttaacttat tgtgcacaca tctctcgggt cgtgctctta catacagctc 180  
 tcgtttgtgt tctgaattac actcaggcag caagtaactt ctggatatcc ttctcaattt 240  
 gaaaaggaga cgttgttggg gggatatctt caataacttt accatttttg tcaaccaaga 300

atttctcaaa attccacttt ataagatcac ccaaaaagcc tccagcaetc gatttcagaa 360  
 actggtacac tggagttgta aatgggtccat tgacatcaac cttatcaaaa attggaaatt 420  
 ctgctttata tcgagtgcaa gca 443

<210> 42052  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033d10d1

<400> 42052

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 ctcttccctt ggtctccctt gcagtataga gatattccgg ggtgccgcgc ttacatttg 180  
 cttcaaactc aagggaaggt caccgcctat ggggtgcggg ggaaaagctt ttgctatcta 240  
 ttctctcttt atctctggaa ttatgggacc gcttaattac atggggcaac cttgtcaagg 300  
 gcatctttcc gtggat 316

<210> 42053  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033e11d1

<400> 42053

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 attctttcaa aaggcacaca catttgtttc tgcaatttca ttcggggggg caacttctaa 180  
 tatcttcatg gcaaggaagt tgggggcctt acagaagcca aactcaaaga tggaacacgt 240  
 gtccaaaacg aacttttgag agtacttatg gggtaaaatc catgggaagg tacttgcttc 300  
 acaacttagc aaaaatagtc aaagctttta atctgcaaac ttttatgggt tgatacaaaa 360  
 atgtgtggca atgaacaaaa tgggggggta agggtttccg aaaaaatggg accaa 415

<210> 42054

<211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910033e12d1  
  
 <400> 42054  
  
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 atgaacacaa taataaagat aagagaacga ttatgagcac gtattttcat taatcgaaac 120  
 ccacacaata gcacagaaca acaaacctat gaatcagctt agtttggcca tcaagccaca 180  
 ccaacattgt caagagggttc aattgcacaa gaaacaaagt ccactggact aaaacaatgc 240  
 agctatctat ttacacatg atacatcaca tggtaggttt gaatcacaat gatgaattag 300  
 ttccctggag gaccaccaaa gaggtaattc aaggaagatc cgccacctgg ggcagcatga 360  
 accttggtag atggccgatc agtaagaaag ttgccacagt ttgcccacgc agcacgatgg 420  
 taattgtttt taagacttcc aggaatttca gctggaagtt gcttatcaat tgggtga 476

<210> 42055  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910033f10d1  
  
 <400> 42055  
  
 gggaacaaaa aagggttaaaa aacccttcc cggggaaaaa aaaaaaatcc cccccgggga 60  
 aaaacttaac ctttcccca caaaattaac cttcaaaaa aaggcccttg cagaaccgc 120  
 ccactaact aaaaaccggg gaaaaattgg aagccctttt cacaaaaaa aaaggcccgt 180  
 ttaatagaag cccccccaa attaccttg ggattcccc cctttggaac cccttagaa 240  
 attcccttg gcgccccac cggggggggg ttttggccc cccctcccc ggggggaacc 300  
 ccccccttg gggggaccac cggggaaggg gtaaaaggcc cccccgtgg ggttaaccgg 360  
 ggggaaaatg gggggtcctt tttgggg 387

<210> 42056  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033f11d1

<400> 42056

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aaaaagaaag aggctatata tttattcttt gaaatagcaa atgtcaaaaa caacctagga    60
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ttaacagcga tatagctcaa tgacaaacaa aacaaggagt ccacaccaca cacaattttc    180
cccaaagatt ctgggtctca catacatgaa tctattttga agcagggggg ctttcataga    240
agcctttaac aaacacataa tttttagaaa tactaagtct cacaccccat catcaaact    300
attttgaacc aaaaaggctt tcatagagac ccttgaaaaa ggagaaaacc ggatctttag    360
ggggcagact ttctttgaca attggatggg tcaaaaattc ttggctccaa ttggggagct    420
tagga                                                    425

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<210> 42057

<211> 412

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910033g10d1

<400> 42057

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gcaaaccctc cccagagggg aacggaaaac cttataccaa cccgaaaagc cttcccggaa    120
aaaccccccc cctaaacaaa aaggggggtt tgaaaaccgc caaaaaggaa ccccccttct    180
ttaaaccacc cccgggtggg aacaccgccc ctttctccgg gggggggccc gggaaatttt    240
ttggggaaac aaaaaatttt gttttgggga agacccccac cccccccccc ggggaaacaa    300
agtcagaccc ccccagaag cgggtgtgat tgctccccct tttgatggag ctcccccccc    360
caggcccggg ccttgctggg ataaaccccc taaattcccc caaagccccc cc          412

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<210> 42058

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910033h10d1

<400> 42058



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 acaaccaaag aaacgaaagg ggggggagac aggttagagt gagaaacatt acataacagt 180  
 ttccaaacgc aaactaattt catctactac gacggaggac aaaatctgat caaaggagct 240  
 cagcaacatt tgaaggcagc tectcaactt gcacgttgta aaacttctgg atgtcaaaca 300  
 gcattttctc gtcacccctt gggacaaaat tgatcgcaac accttttctt ccgaaccttc 360  
 cactacgacc aatacgggtg agatagttct caggctgtgt agggagatca aagtttataa 420  
 ctagagacac ttgttgaca ttaataccac gagccaaaag atcagtgggt tttaagacac 480  
 gggaagaccc agaacggaat tcacgcataa taatgagcct g 521

<210> 42059  
 <211> 562  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910033h11d1  
 <400> 42059

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 attacacagg actgcttata aagcacaagg gcacgcctct caagtcgcag gaaattttca 180  
 caatggtaga aataaaaataa aaaaatcaga agatatactc aaaatacaag gcaaaccatt 240  
 cgaacatcca tcagcctttg tacacatcat ttcttttagta cgttgtataa gtaggcagca 300  
 attcccaaaa ttataatcaa caaaacaata tcaatacaga agtttcgact ggatcgaagc 360  
 tggttcactg tgtctttaag tctaacattt gtattcttaa ggtcagagga tgccttgatca 420  
 ccttagtgtc aatctcatcc atcagtggaa cttgtctatc cagttcctca ttcatatcat 480  
 gtgccatgtt ttncaatgta tccaatcctt cagcaatcac atccaaacct tgatcctgtt 540  
 tcattctacg catttcatat tc 562

<210> 42060  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910033h12d1

<400> 42060

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 tctttgacaa aatcaagaac aacctatgag aatcttctgc ttaatcgact tcctcaattt 180  
 tgggtccagc accgcttcca ctgccagctg caggaccatc ctcatccatg gctccacccg 240  
 cattaccacc agcacctggg tacatctttg ctatgatggg attacaaatg ctctccaact 300  
 ccttcatctt atcctcaaat tcgtcagcct cagcaagttg gtttccatct agccattgga 360  
 tagcctgctc aatcgcatct tcaattttct tcttatcatc agaagacagt ttggaagcaa 420  
 tcttgtcatc cttgattgtg ttcctcatgt tataggcata attttccaat gcatttttgg 480  
 cctccacttt cttcttatgc tc 502

<210> 42061

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a02d1

<400> 42061

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 tactataacc ctgatgcctt caacgggggtt ttccgcatta actaactctt tcttttagtt 120  
 gccaaaggaga catatacatt acttacctca tctatacctg gttaaaattg ctctcgataa 180  
 ttagagaagc tttatgggct atgactcttt tttgccatag gcaagcggcc agagaaataa 240  
 atcattcacc ccaacactaa ggtaaattac cgccaccaca agggactcat ttaagctatg 300  
 ttatgaatgt ataaaacaaa tcactatcta tgaatttttg acattttt 348

<210> 42062

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a05d1

<400> 42062

gagcaaattc atttttcatt gatatacatg gggtatatac aagttacagt gtggtgaaac 60  
 aaacatactc tctcttcaac ctccaataag cttttgctca ccagggggac atcttccaag 120  
 gactcaaat tagtaaaaaa aaaaaaaaaa ttacaattac aattccaaac aaagctaaca 180  
 tctaattctt agacatcagg gtcacaaaat tttccatcca tctgttctg aacagctttc 240  
 acagcagcaa ctctagcagc agtggcagcc ttgctcgcag cgattactgc tttgttaacc 300  
 tggatcatcta ctctgttaag gtttatagca ttctctgctg ttttcctagc agcctgcaat 360  
 ttatataacc catcaaatga gaacaaacac atatgaggaa gaaaacaaac caacagcatt 420  
 taaagagatt atagcaagaa gacaaccatg tttgttaata ctagtaattt a 471

<210> 42063  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034a06d1  
 <400> 42063

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 gtggcgggtt acaacttaga atgtataatt tgcattgtcc acccactgaa agcttagcac 120  
 caacaatcaa ctgtagaatc ataagaacca acatcaaac acacacattc tgggtctttc 180  
 attttattca ttcattcttc tccccctcat ttacagaga aggagaagaa acaaactgtc 240  
 ttggtaaact aaaaagatct ttcctttcaa atggagaact ccaactcccg gaaccagcag 300  
 ttgatgtctc agcagaagct actccaccat cttgcaatcc aggcattgga gcattcatgc 360  
 tcccatttga gggcactggt ctcatgatg attgagctac aactcctgaa gtatttgcatt 420  
 catacatcgg agcactatta ctcttaaaa acggtgaaaa tcttagccat aaaccgttt 479

<210> 42064  
 <211> 518  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034a07d1  
 <400> 42064

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cacaaaatcc acacaaactt aaatcaaacg aggacaataa taataataat aataatgatg 120  
 atgataaaaa tgagaaaagc ttgaaccttt agacttgagc tttaaccttc tggtttggct 180  
 cgaagacata cttataaga gaatccttaa tagacaacag ttctggaaat tctttcttca 240  
 atttggcagc gtcaagctca ttgttgctcc tcggagcaac aatcaccttg gcctgttctt 300  
 cgagagtga gttgttccag gtgaagttcg ggtcaacata atctctgtac atctccaaga 360  
 tttcattgtg actaaccact cctgggttag taaagttcca gatcccagtc agattcctct 420  
 tccccatctc aattgaaatt ggaagcagtt catccaatat agtcatcgaa ttcggaatat 480  
 ccacaacctt ctcatatcga gtgatcttag tgataaaa 518

<210> 42065  
 <211> 595  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034a08d1  
 <400> 42065

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 aacaaagata tggcttcaag ttttccacca tacttgacag tgctttatga aaagtaccta 180  
 acagccacct attgtctact tctattcaca tcaacgagaa gaaacaatac aatatcacat 240  
 ccaacccaaa caaaaattta gaagcttaaa aattagacat ttgatcttca tgatacaaat 300  
 acaggccaag accaaaccgg gcacaagatt tgcagaaagc aatttcctta gcagcagaaa 360  
 ctggatcgcc aatggagcca tcaactgggtg atatcggtcc agttgactca cgatatgcct 420  
 ttccattaga tccccgtaca ggaagacggt atacgacagt tacggagcca ttgtcggaga 480  
 aaatgacatc acgtatctcg ccacaccaac ctggggcgta gaagctgagc attctgttgg 540  
 catgatacca gtggatgaag cgatcatgtt tgacgatagt atccgggatt ctttt 595

<210> 42066  
 <211> 564  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034a09d1

<400> 42066

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 atccgaaaac tcacaaaagg gtaaaaagaa taaaattaca ataagacttc cggaaattcc 180  
 tgtaaaatta tatacttagt ctggtctggt tatatatgtt tcaattctat tccaactaaa 240  
 gaatagaaaa taaatgcagg tctttcaatg gcagaataga actattcact tctgtgggctt 300  
 catcttgaag atcatgatca tccaatatat agaagcaaaa gtagttgcca tcttgcagca 360  
 cttgtttctt gtattcaaaa gtaccttcta ccaatcaaac atttgaccga aatcgtgtca 420  
 atgatatctc ctggagttca cgcttcatgc acagacgttc accgagcaaa gccatcactg 480  
 caatttcagt accattcaca atccaccatg ttatagatga gggccaaccc ccatacacia 540  
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<210> 42067

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a10d1

<400> 42067

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 tactccccta cagaatgact actacaatac aaccacgcaa gatggtagta taaaaccatt 180  
 caaaactgag tatcttattt gtataaacct ccattcccac tttcaacgag ttacagaag 240  
 aatctgtaaa cgaatggtat atacacgtaa tagcataaag aaggaacccg ctgtacgtat 300  
 agtcacagtg gaattgcaac caaaaacca agaaaatttc ctgatatcct catcttaagg 360  
 catttcaaaa tgccattaag gaatcaacat ctttcttttc tgagggatac tttattgttg 420  
 gccgaaacga atgctttggg aaaaataata tcctagggaa gctttccaat tgcagttaac 480  
 tctttgcaaa ttctttccgg tctccatctg ctctaaattt 520

<210> 42068

<211> 408

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034a12d1

<400> 42068

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 gataaatata tttttaattc atcatatcat ctaattggga attaagcaca cacttcctaa 180  
 tttggttcac tacgcaagaa cattcacaaag ctactaaatt gaccatcaac gattcataag 240  
 ttctcatgtc attggccact cattgacatc ataaacacat ttagaatcca tcatagatta 300  
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 aagcctatca ttactaggag agttgccacc atacaccaac aaccctt 408

<210> 42069  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034b02d1

<400> 42069

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 aaaaaaaaa cccggggaaa agggggggaa aaaaccgggg ccaatagggc actaaaccct 180  
 aaacccctt aaggggtaag gccaagaaaa aaaagggggg accaaccctt ccccccttgg 240  
 ggtttggaat gaccaaaccg gccttaatat tttggcccc cccaaaaaaa aagggggaat 300  
 ccttattttt aggggggggg gaattggggg ccccccaaag ggggttaaaa aaaaaaattt 360  
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<210> 42070  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034b04d1

<400> 42070

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 ggaatgatag gctctctcgc cagcatcacg aaccgcgtga cgttgctcgg atcgtcttgg 180  
 attccgtccg ccatacagtt caggccgtag agctccgcgg ctctgtgcgt cgcgatggcg 240  
 gcggtgtcgc ggagggttatt cgtggcgacg aactcggcgg cgccggcggt gtcgtccacg 300  
 gcctcgcgcg ccacgttcag gccgagtttg gtgagagtgt gctcgcactg cgcgagtgcc 360  
 tgcggatgcg aaatcactcg cgtgaggaac tcctttcgga cgccggggag cgcgaggagg 420  
 caatggtgga cggggagctg gacctcgccg actatgtgga ggcgggtggcg 470

<210> 42071  
 <211> 511  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034b05d1  
 <400> 42071

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 cattgatcaa agtcataagg attcaataac tgatgtgaaa tgatcttcca tgttctgaaa 180  
 ctagttcgtg ttgtaccatg atttcttctg aagctcatca attattttct gatccacttg 240  
 aaaagctttg gtgagaacct caggagaaat aggtggattg gctttaaaca aagcatttgc 300  
 aatagtgata gttcctgcat ttgactgcc aagagcagca atggcaacag cattgccata 360  
 tcccacattg agttggaaat gaatgagacc aattgggaac acaaacacat cacccttggt 420  
 caacactttg gtaaagagac gatttccatc ttgattggaa gtgacaaatc caacatagag 480  
 agttccttta aggactaaaa ggatttcggt g 511

<210> 42072  
 <211> 358  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034b06d1  
 <400> 42072..

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 aacaaaattg ggggaagagg agagaaacac acagagtaag agacgtggaa agttatggat 180  
 tttagacata ttataagggc aacgcttaaa aaacttcag catagagcag gggaatgaat 240  
 tacttagggc ttctcccact tgaggggttt gaccactttc catgtgaagt caggggttttc 300  
 ttttccaaag gggtcatagg cagcagttct taaaaactg ttatttcccc cccttttg 358

<210> 42073  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034b07d1

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 tgaaatgtag ttcaattcgt tatacacctc aaaccaaacc ttgaaacact aactagatac 180  
 tacttaatac ttaacaggag caaggatttc aatttgggaa ccaagcttct cctctgcaac 240  
 cttctcagct ttcaccctca atttggcaag ctgcttcttc ctctcataac acaattgtgc 300  
 tctctccttc cttttcttct caagttccct gatggtatca tagtagttcc atccaacctc 360  
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<210> 42074  
 <211> 602  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910034b08d1

<400> 42074  
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 taagataaca aagtaaccct tcttgttgta gttcaatcac tttcgtagtc ttcattcatct 180



ccaaaggtaa aaacagaagc atcagcagcc atggccttaa actcactttc tgcactgggc 240  
acctcgagac tggacactgt ttttccatca acattaacttc ctggctcact agcatgacga 300  
attggcgtag agctcttggt tcccaaggaa acttgctctg ttgcatgtga taaatttgca 360  
atttcatttg aaactctggt tgattcggag attctggtgt catttgtaac tgtttcaact 420  
gcttcagaag gtgcttttgt ttgcttgctt tttgaagaag cagattgctc tgccttgcca 480  
tctgaataca cgtcatcttt atcatgacta tctgattctn tgtctgcatt ctgtgcaggg 540  
gtgggtgctcc tttcactggg gcggaactgg cagattgtac ttgaacttca tctgattctt 600  
tg 602

<210> 42075  
<211> 543  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910034c04d1  
<400> 42075

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agtccttgaa attgaatctg taatccgaat tctaatatct aggctgagta ggtacaaagg 180  
ttttcaaacc ccatgtactc tttatttgca attttttggga tcatgtttga tatgcccaca 240  
ccacctagtg atattgcact aacaaaaatg gtgccggaga ggatgaaaat gatcagagat 300  
gctttcccta gtatggcaac cagctttctc actaaaactt gtccaacaaa ggccgcaaaa 360  
gtggatacag ccactaagta aagagtttaa ggaataggaa accgttttag aaggtaatat 420  
tccaccactg acatagatgc tgaaaatgtc atggcaaaag tggctgtagc acttgacacc 480  
ttggggggga tttctagctc caagaaaagg ggtcccaaaa taaaaccttt cccaagacca 540  
agc 543

<210> 42076  
<211> 568  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910034c06d1

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aagagcatga	tctaccagca	aagttggaaa	taagaataac	aatggaacct	actttattcca	180	
acacacatac	aacaaccatg	ccataagggg	tctttttatta	gtagacagac	accacatggc	240	
atagcataac	taatcaaaaa	acattggcat	agcataaata	atcaaaccce	aaaaataaaa	300	
gatacaagat	tcattccatga	acaagacaag	attcttagct	atttacgaat	gcacaatgct	360	
tcctgatctc	tcctctgtgc	cctgtcttca	cattaattct	tcccattttc	tctatggagg	420	
ttgcaaactc	agcagagaaa	ttttcaactg	tcccttcaag	caattggatg	atttgagact	480	
ttgtaactga	gttagtcaac	aatgcagcat	ctgattcaaa	tagacccctt	tcttaataac	540	
gtgactatag	ttgctaagac	aaatgttt				568	

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<210>      42077
<211>      577
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmro02910034c07d1
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cagttatttg	ataccagaa	gagtttcttg	ttaggggtgtg tgaagtgggc caaaatagcc 180
atcaaagtag	cttatcagct	ttaaggcaag	aagaaacaaa accaattctt ttgggtaaaa 240
gaacttcaga	aaccactttg	cccattcaac	taaacacaac aatgaaagat gaattaaaaa 300
gtcatgttac	agattcctct	gaatgaagtc	ccacatcctc ccttccatgt aaactcggtc 360
actatgacgc	cgaggcatgt	gccgttcac	tgggaaaact attagctcat atgattttcc 420
agctgccaca	agtgcattga	taagtcttgc	agtgtgccta aagtgaacat tctcatcaat 480
catgccgtgc	acaagcaaca	accgcccttt	caactgggtgc acttggttct taccagaacc 540
ggtttcatat	cctgacttgt	ttcagatgca	accccat 577

<210> 42078  
 <211> 541  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034c08d1

<400> 42078

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 tttccattgt atcatagtaa attaaataaa tgtgtaaggg ctcaatcttc attgatacaa 180  
 gccctgtaat acatggggca atattcagca caatagcctg acttgactat gtacagtata 240  
 cacagtcttt gcgcatccaa attctcttat ataaatcttt gtttttggcc aggcagtga 300  
 tgattaggcc ttggcaatct tttgaggtat acttgaacaa ccagaagaca aggagcacca 360  
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 tggtaaattg ctgcatcata gggctctaac cgcataaggac tcacttgaca gcttctttgc 480  
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 c 541

<210> 42079  
 <211> 544  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034c09d1

<400> 42079

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 agaaggggaa aaaatgtata gcatctgtga gtcctgaaaa ttaggacagt attatgcata 180  
 caacagaatc ttttaaacca aagcctaaca taataaatga gttaaaatca gcattctttg 240  
 gttgcaattt cttctctgctg ttttgtggcg gaaaataggg aaaattttgt ttctgcaaag 300  
 aactaaccag gacatgaaaa ttttccagaa cattcaagca gatgcagcca aaggcacaga 360  
 tctgtagcat gctctctttg cagcacgaac aatatcttca acctgtggga cagccattct 420  
 ttcagatttg ctgcttaatg catgggaaca ttagccccag caatttttta acgggtgcat 480

taagattacc aaactttttt taatgacaga tgtgcagatt tcagcgccca cgccatgctg 540

agga

544

<210> 42080  
<211> 456  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034c11d1

<400> 42080

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tcataacata cgtcacgatt tgaaacttaa aattactatt aagatatcta gagactagag 180  
atactggggg atctaaaaac atccattaat ttaactcgga tcccagttac acctttccct 240  
gcactaaact ttactacacc aagcaaaagc tcccgttttt attaagtaaa ccatacataa 300  
aagaaaaccg aaaagaaaag aagatcaaag gaagattggt agcacctaag gttcactaaa 360  
ttctgataac gagatacaaa aggggtgtgca gccacatgt aactttgggg ctatatccca 420  
tgtgaggaac agttcccttt caagcttatt ttttcc 456

<210> 42081  
<211> 568  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034c12d1

<400> 42081

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attacacact cccatcaata taccctcct ccactttcat gtgaaaattc aagtactgac 180  
aacaataaa attgtaaacc caaagggttc ctaggttgct acaccaagac tcaaakatat 240  
agaattatgt atgagtctcc tcagctgttt tagaagatgt tagagaacaa ctcttcatga 300  
agatacaaat tacgagcatg ccaacaattt gcggaatctt tcctctctgt ccctgcgga 360  
ccgggaggtt gtggtccctg aaggcggtcg tcttttcttt cttggtcgga agaaaaaatc 420

005413.03200

ttgtgtgtca agaacataag aaatcttaga tgagctgcaa gctatcttac attccaatcc 480  
attaattact ttaacacctt ccatggcaga gcatattgca gaaagctcat ctaattttcc 540  
atattggcgt ttgtttctat gcagtatg 568

<210> 42082  
<211> 443  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034d01d1

<400> 42082

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ttttattaaa gccaggatct tggctataag cttcacattc tagacaaggg caagtccatt 180  
gcgtctgcta caaagtctgc atcttttgtg gggaaacaca agggaggggt aattctgaag 240  
acatttccat agtaaccacc cttaccaata agtactccta gttctttcat ttggtccatt 300  
acatgcaatg tttcattttt tgctggagtt ttaagttcac gatcagtgc aagttcaact 360  
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gggagccttt ctttaaatgg gat 443

<210> 42083  
<211> 477  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034d02d1

<400> 42083

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acaaaatgcc aaatttcaaa ttgtatgtca tatacaaaaa aagaaaaaga aaatattcaa 180  
tgaaattaat tatcatttac ctcttgaaaa tttcttattt ttctatagga acttttccat 240  
atacacatgc aatcagttaa aaaattcgat ctcaattcat cagaaatcaa tgcttgctgg 300  
tctccttgtc aagtgtctac aatctttggt acacatttct tgaatttctt ggcgttttctg 360

gtgagggaca cgatgcaaga cttccactca gatttatctt tattatgtcc ttgacaagga 420  
agatggcgga atatgtgaac aagtacaaca gcatccagag cagcgtattc tattgat 477

<210> 42084  
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<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034d03d1

<400> 42084

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acttatttca aacaacaaaa atgtctgtct aagggtccat aagagatcta aaaaaaagg 180  
aaaggggatt ataccaaaca gccactattc ataccaaatg cgatgcagca aaaagtaatt 240  
tcattatctc cacagccttc attcaaaaac cttccatgaa agcaaggaga gcgagtggct 300  
acaggcaaat gctttattgt tcagcagagg cataaaaata tcacatgaag attgcgacaa 360  
actctcagga ttaagcttca gctcctggtt ctttatttag gaaggatgtc ttggataagc 420  
ttgctt 426

<210> 42085  
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<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034d04d1

<400> 42085

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ataacataat taacaccatg aacatgccct tctacccaac tctaagctac ttgcatagta 180  
ctacatatat aatatcctta ttgaaattaa aaaaaaaca acagtaacat cggaagatta 240  
aaaaacatag cctcttaatc ctcccatccc catgaacctg cagtgggtctc ggttcattga 300  
accagcccat ttaaaggaaa agaccttaat tattttttgc ataatatatt acagattttc 360  
ttcctcgatc atagacaagg ggaggaaaat tcaaggggtcc tgatcatggg gcttgttggc 420

aacattgcac tgctttctga cctcaccctt tgtgccagtg agaggggttg tctctgagag 480  
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<210> 42086  
 <211> 477  
 <212> DNA  
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<223> Clone ID: jC-gmro02910034d05d1

<400> 42086

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 actggaccat tttaaaaaac aactctctc accttctgca aataaatgat cactccaaca 180  
 agagaataaa atgaaaggat aacaaaagct agaatcaaag ggttacaatc tgcaatgcat 240  
 tgcttccaga caaatcgtga tgatagtagt ctttcccttc aataacccta tctatcgaaa 300  
 cagtttagaa gcactttctg tgcacaattg atggaccaga ttcgtcatat tctgccttg 360  
 caatccacat ctgctggaag gtgctaagag atgccaagat agaaccaccg atccagacac 420  
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<210> 42087  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d06d1

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 aactttatct ctcttagaat tgccaaggat acataaaaat tagctatcta atctatccct 180  
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catctgagag caggtaatct tgaatttgtt cccttagcag actcaaatta ccattgttgg 420  
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<210> 42088  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d07d1

<400> 42088

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 tgaatgggca aaattacttg ctcaagtgag gaacaaaacc gatagacctc atgtgactat 180  
 ggttggagaa aatgtttgaa ggactgtaca cttgttggtt attacatcca tgaacttctc 240  
 tgccagaaat gacacttcaa gatttgattt gaaccactta acaatgtttc aaatgatgaa 300  
 attctgccag tgaaagtgtg atctctcttc catgcaatag accaggaagg aggctgcac 360  
 ctaccagcca aattgagtgg atttgggatg cggaaagatg tttaccctat tgaataaatc 420  
 gttgacaatg ata 433

<210> 42089  
 <211> 528  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d10d1

<400> 42089

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 aaccaacatt atttgcttgg caaaacttaa aaaccgaaaa agccaagctc actagctctc 240  
 tccttctcaa atgtctcaaa gtactgatag atgattgtta ctgcaagcaa tattccggtt 300  
 cctgaaccga tggcccccat gaagtctgcc aacactgtca gagcaccgat ccagatgcct 360



ccaaatgctg cggccgtggg aatgtatcgg ttcagctttt tctgcaagtt tgactcacgg 420  
 tgtccaggca ttaccatttg ttggtcctta agctgcttgg caacatcttt agcagatgaa 480  
 ccagagactt caatccatgt tttaaagaac aaggcccagg ctgaaagc 528

<210> 42090  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d11d1

<400> 42090

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 aattttacag gataaatgta actgggtaaa aaaacatgct tttttaaaaa caaaacacta 120  
 ttcatacttt gggcattggg tatgaattat cataaaatgg ttaaactaga cactttttat 180  
 actgggtcct gactagtaaa aatctacaaa ttccttattc ctatggccat tttacacaca 240  
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 tgcaaaa 307

<210> 42091  
 <211> 525  
 <212> DNA  
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<223> Clone ID: jC-gmro02910034e01d1

<400> 42091

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 tttattgaaa accagggaaa gtactgcaac aaccatagag cccttagatg gagatactgt 180  
 tgggaattcc tctgaaagtc aatccctcct cactagaagg atagagcaaa gtgtaaggca 240  
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 gttcaatctc ttgaagcttc tttccaaacc tcttgaaggc ctctagtgga ccagcatcag 360  
 aagtccaata gtcaccacca tctctctccc caaggtagaa ctcatcagat gtgtgccttg 420  
 acaagatttc tataattgta aggtcaatga gggctctcct cttgccagta atagtcttca 480

aaaactcctt tttagggttt ttagccaaag ctgcatactc agcag

525

<210> 42092  
 <211> 483  
 <212> DNA  
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<223> Clone ID: jC-gmro02910034e02d1

<400> 42092

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 gttcaatttg aactcccatt cttattctta tttatatata tacgatatct aggaaaacaa 180  
 actcaccatg tctcactatg aacttatata tatttatgta catgaactaa gaaaaccatc 240  
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 gtaaacacaa gaatgttcct tcaccttaga agaaaatgca tgaagaacca tctgtctctt 360  
 tcttcagttg gctgacaaca gaacaaagtc ttctaacaaa caaggctagt gaaccaatgt 420  
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 cct 483

<210> 42093  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e09d1

<400> 42093

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 ttgagacata gttggtctat ctcgaccttt aagcctaaca caatcagcag ccaaataacc 180  
 gacgtaggcc actgccttta tcttaaaggc cgtgggtggg gccacttttt tgtccaacac 240  
 tttgggaatc tcatcttgga aatgaatgg caccacaaaa tcaacaacat ttcgtggcac 300  
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 aaagctgtgg acgtcactct tgggggtc 388

<210> 42094  
 <211> 400  
 <212> DNA  
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<223> Clone ID: jC-gmro02910034e11d1

<400> 42094

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 tattatcatg ataaaatcaa acggagaatc tctccagaga gcttgaatga tttttctggt 180  
 tcttccagac agtggtcctt ttcttcccga ctccaagggt cagcaacttt attcaacttg 240  
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 ttggtggtaa gtaacttttc agcaaccttt ttcccaatca ttcgaccacc aactgaatga 360  
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<210> 42095  
 <211> 473  
 <212> DNA  
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<223> Clone ID: jC-gmro02910034e12d1

<400> 42095

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 gaaggtagta acttccctcc tcctttttca atcctttaag actacattta tcggcattaa 180  
 taaagttggc cccacattat taggttgaaa ccttaaata atattagggg caggggatga 240  
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 gcgaagagac cctttcaatg gccatgaaag ggacattatc tggataaaaa tctccttccc 360  
 aaattcagaa ttccttgtgc ctaataagcc gagcaagttg caaccataaa actggttccc 420  
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<210> 42096  
 <211> 514

095113.03200

<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034f01d1

<400> 42096

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catcatggta tttctattac cactacacag tatttcctac tatctatggt tttagcaatg 180  
ccatgctgaa gctgatatca aatttctgtc ctccacccc aacaacatgg ctccatcctt 240  
ctccaccagt gtatagtgtt ctgaatagca catcaaaagg cttcttatga cagaattcac 300  
ataagaactc aaaggacact gacggaagcc ggccatcgtt aacctcgact tccacttgcc 360  
gaacagttca tgtctctcaa ccctttcctt gccttcacaa gcaatgatat tcacaatatc 420  
cctggccaga caatggtgct ccacattaat cctatccttg ctatctcttg ggaggggtgac 480  
atcaatggac tcaaagaatg ccaaggagta atcc 514

<210> 42097  
<211> 367  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034f02d1

<400> 42097

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cttccgttat atggatacac atagaaataa ataaagaagt aacctaaatt tatgatttag 120  
agattgcttt attttagca atatatttgt acattaaaga aacaaaaaaaa gtaaaatcaa 180  
atcaaataag ggtgacataa ggaagaaagg aaaaatcttc tcatactcct ttggagacct 240  
cttcagaaag cagaaaacta cacaagtga aatagaaggt tccatgctgg tcaaaatttt 300  
caagccctaa gatctggagc taccactgct atctggtaaa gtgcgtcaag ttgggggaaa 360  
ggagaaa 367

<210> 42098  
<211> 505  
<212> DNA  
<213> Glycine max

0953143.03200

<223> Clone ID: jC-gmro02910034f03d1

<400> 42098

gatatgctct ttagaaggta gcaatgtaat tcagtataga cttatagtaa tgatccattc 60  
atataaaaat gtagcagcaa acatcagaaa catgtcacca agtattcatt gggttgactt 120  
tcatatTTTT tatatattaa cacttcttcc agatctggga gtaatcataa atagctaaca 180  
caatcatgtc taaatgttat ggcagccatt aatcacaatg ataaaacagt tttaacacgg 240  
agcaaataaa gaaacatctg ccatactaaa aatagtttat agatttagct gatgtaaccc 300  
tagagaagag gtgggtattg ctttgccctgc tgccggaccc ttctcttgta ctctgctgca 360  
tcctggatga atagatgata gccttctgtc tgggcaggat cagcaggatt tggctgatca 420  
agtaagtctt ggatgccac aagaatttgc ttaactgtta tggctggtct ccaccacta 480  
tcctcattaa gtatagacaa gcaaa 505

<210> 42099

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f04d1

<400> 42099

gaatcatcaa tcatgtaacc aagaaatagt ataaaatcca gatgccacct tcacttagaa 60  
taaaacactt cgaatcatga cctcctgaga gctatttctt tgaagaatca gcgcacaatc 120  
tggcagagtt gccatatgca tacatggact aatagcaaaa atgcaaaatg tatgaagcat 180  
aggaaagggg aaaagtgaat gatacacatc ttatggatca aaaaccaaag ggcaaagtct 240  
aagtcttaga accataatca ataatatcca aatcattttt gaaggcccca atcttccaaa 300  
acaaagtaag ggttctgcag taacaggaac ttaatcagaa tcctcataca cttctccatc 360  
atcagataac tcatcaaata atctgatgtc aagctggtaa cgaagaattc caccaatgcc 420  
accaaaccct ctgcagaatt gggagccctc tgagatttgt tggtcacaaa tt 472

<210> 42100

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f05d1

<400> 42100

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gaaattcata catgcactaa gctcgtgtac attcatcctt ttttactctt ttttttttta 60
ccgcaaatac atccctttct tgtcagagac aaatagagaa aaaatgaatt aagctcaaatt 120
acattcttac cgtgtctatt gaactaataa taaaccgcac taaccagcca cagcagatag 180
taatgttcta ctgtataata ttcattgacat tcccgcaaaa atgactgctt aacctatttt 240
agtattcacc ctccaagttc ctgcacaagc aattttctct ccttttcaac aagagaattg 300
aggactttta cagtacttgc tgtgattagt tctcagcata cgtagttcac aaactatgag 360
agtccagtaa gtgcagtatc ctccatggta aactgttctt taattccctg tatcatctta 420
aggacttgcc acatcgccgg cctctgtttg gcgatgttgc gctgcaaata ctggcaa 477

```

<210> 42101

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f06d1

<400> 42101

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aagaaaatct attagtacta ttattatttt tcaccattcc ataaacaatc catctatttg 60
gaaagagtac attgtcactg tcttcttccc caagccacta tttacacca cccccaaaac 120
ttacgtataa ttgctctaga aaccaaact ataatgttcc tcattcttct gtacttttgg 180
tgaaaggaac atttgcttat tttgctgcac cattcttttt ctctcaaact atttcacaga 240
tcacatgtct tatttttttt ctactttctc aacctttttt tcacttctat tggatttttc 300
ctatatagac aaacgctatt aacaaggaac agagaaggga acacaattcc agcaccggcc 360
ttttacagca aaaagctcga gtgtgttgtg acgggtgaaa ctgcacggag aaagttgcgt 420
tttgaggtaa aatttatcag ggggcattat agcaaataac ctaaagttac tactaactta 480
atttctagta ttctatgact agcccaccca 510

```

<210> 42102

<211> 411

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f07d1

<400> 42102

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gcacaaaact ggtaaaattc cagatcaata aggattgctg cgaagccgca aagatacaac   60
attcattagg gaaaacagga gtgggggaaaa ataagggggg aggggttgag gaagaatcaa  120
ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaaccca  180
atatagagaa aatttttctt tgggtgtatta taatataaag cagaaccaa tgacttggaa  240
gattctactt tcttatacca ttcacttggc aagtctgttg cggatgagtt ttgctgcggc  300
aaccatgttt gtgagggtg gcttcacctt agtgtactta cgggggttga gcccacagat  360
tggggtcacc cagacgatgt tcttatagag cactgccggc aacttgggtga t          411
```

<210> 42103

<211> 584

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f08d1

<400> 42103

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atagaatgcc cctatttata ataatacact gcatatcacg ctcataaatc gtcattcagt   60
tgctaattaa tatgttcact tcccttctt aactgaaaat aataaatcct aaaaacagac  120
aattagcata gaaccataga caaggcaaat tcaagcaaga aagatcaata gaagctgtaa  180
gttatgtagc actttagaat ttaaaattaa attggtagtt caaaggtgca aaatggctct  240
gcttagcatc tccaagttga aactgagatg agatccttcc ttgcccagca aagaacaagg  300
gaagactgcc tcttctcaac atggaacccc ttactaggag tcctctgcac caaacactct  360
gcctgggatt ctgtaaagtt actaaaggtc aatggtgaaa acccagatga caagagaagg  420
tttttccaag gaagtgtctt ttcttgcaaa ccatgtcgac ccaagacaag cttctccatt  480
gatggctgaa gataatactt ctcaatcatc tgaaggacat ctgggtgaac attaaccgca  540
tcaagtgact caagcagccc tgaatagact gaagtgcaaa aatc          584
```

<210> 42104

<211> 520

<212> DNA

<213> Glycine max

002260" E T F E 50

<223> Clone ID: jC-gmro02910034f10d1

<400> 42104

gattaaggca cggcttaaaa ttgaattgat gggtaaaact accccaattc gaagcttttc 60  
caatcaagat ccaaatcatg caacaacaaa aaaaaaagca actttttttt tccttctctt 120  
tctctctctt tatcgaaagc ttaatcacia aactaaaatc acggacatta tttataaaac 180  
tcaagtgcga caaactccaa atgagaaaga aaaagccggt tcctccattt ctttatccaa 240  
ctctttatcc tcagtttact cagcagcaag gggcacagac tcagccaatt tgcggtactt 300  
gagagcatag aacatctcga gatagcggcg gctctcacgg cgggtcaagg tagacacatg 360  
cttcacagaag ccatagacac cgggtgagagt gagaagcctc tgagagtaaa tttgccatgt 420  
gtacttctct tcaatacgtt ggagaccagc ctttgagatc ttgtcccagt gagttgggtc 480  
aagcttgac ttttcaaaga agtcaacaag gagatcagca 520

<210> 42105

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f12d1

<400> 42105

aagttaacga tgatttgtaa tttccaaaac gagaaaaata acaatagagc atcacggatg 60  
catcaaccca taaaggataa aggggggtgca gaaacaaaaa atgcctctgc aaatccgtgc 120  
atcgactaa atccttaagg aactgctact gatggatcat ggatataact ccagtatcca 180  
gacatgttct ttctacacat tcttcgggtc ggcactcatt ggcattgggt aagtttcaca 240  
aaggtgattt tagtcattca gtgtacatca gtatgcttgt tgaacctttt ttttcccttc 300  
atattctgaa caccacact tatgtacaaa agccaatact agcccatga attagtttgt 360  
caccaattta caatccccct attgagaatt aacatcctga aatttgata taaaatagta 420  
ccaagaagg caagaacctt agtcaccaa tgcttcaaca tgcactaaga aattgatgac 480  
tattagtcac tcagtcaagt tcgaaattct ctacttcga ttctactggc tccgaac 537

<210> 42106

<211> 464



<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g02d1

<400> 42106

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ccaaaattgg gaaggtatta ggaaaaactg aaaaattcta gatctcgtcg aaggaaaatg   60
ctttctcaag tgacataatt acccggttggg tggaacatca gcatttctag atattgcttt  120
atgaaatatg acaatcaatg gtttaatttg atctattgag acatgaaggg gagccaagtt  180
aaactcattt cattggtagg aactggtttg ccgagcaggt tgatatcata agatcactaa  240
ctccagaaaa tcagcggttt caaagaagat aaaaagaatc ccatcgcgta tgaccgggat  300
aaaccttgag tattgatatt cttaagagat aacagagatg aatgtccagc attaagtcca  360
tgaaaaccaa tgccatatga tatacttcca tcagccttga acagtccata gtttttttca  420
gatgaatgcc caggcttctc gttctcgttg aaaatgcaaa aatg                        464
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<210> 42107  
 <211> 490  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g03d1

<400> 42107

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aagaattgaa atttgctttg attgaaatca ggttacaagt gtaaagttgt gcgtgatttg   60
gtgacaatga tagatgatta gttccaaatc cctcaatggg caggggataa gagaaaactag  120
agaaagaaaa aaaaaagaaa aaagaaaaag aattacattc caccctccca gtatacacaa  180
ggaaatgaca tcaatatcta tgcagcaata gagggatggg tttggttttt gtgctgtgag  240
tgcatcattt aggagagaca ttatctccac tctttgtcat tgtcagtttc ccttgcaccc  300
agcttcttag catctcaagt gcagcttttg gttgatccat agggaccatg tgaccagcct  360
cgtatacctt gaggaaagag agaggtccat ggcttttcag cgttcctgct tctgcacccat  420
caactaaaaa tgggactgta ccagacgccc caaattgttt ttgaccagac caattcattg  480
cattaaccca                                     490
```

<210> 42108  
 <211> 401

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034g06d1  
 <400> 42108

gaaacaagaa taccaaagta taaagttgta taacaaaagt ctaacaaaaa ataatatctg 60  
 tccagtaact aattatttga tgggggatcc aagatggata cccctctaata gtttcaaacc 120  
 tgataaatca aactgaactt cacttacaat ttgatcagaa acatgtccca tgaaaaagat 180  
 ggtgacaaga acaaacagct ttgccaagca ttacagtggc aaaaaaaaaat tcaaaaatta 240  
 ataaactatc attaagcata ctaaatatgg tgcattcttc cagcaatgca ctattaaact 300  
 actggaacca atctttctga gtatattccg caatctgatg ttacacctca atcaaattcc 360  
 aagaaaggaa cctagccttg aaaaataaag acaaacaaaa a 401

<210> 42109  
 <211> 537  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910034g07d1  
 <400> 42109

gcagcaaaat tcttattata ttcaatactt gcctgatggc aaatggcaat gatttcgatt 60  
 ttgcaaatac tagcaaagat ctaagccgga cattttaact gctcaacca cggttaagata 120  
 aaatttcgca tgatggataa gataagcccc atgacaacca ttactactgt caaaaaaac 180  
 taaataaacg gcactgcccg aaatcaaata tcattctcaa taatcaataa tgtatgagat 240  
 aaaatcaaat ggctccactt atcgaggagg tggaggagag agtgggtggca ggttcgattt 300  
 tgcaaatccc acccatgcaa caatgccgac tgccagaatt atccatcaa atatgtcata 360  
 cttcagatca ctggtcttct ttttcttctg agtatttgtc gaagcagaag tagaagatcc 420  
 agctgttgct gctgcctgct gctgctgctg ctgaccaa atccatgcttat ggatttctac 480  
 atgcagttca agagccttag cagccacttc caatgatttg cggaaagttc attcgaa 537

<210> 42110  
 <211> 496  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g08d1

<400> 42110

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gcagcaaaat tcttattata ttcaatactt gcctgatggc aaatggcaat gatttcgatt 60
ttgcaaatac tagcaaagat ctaagccgga cattttaact gctcaaccca cggtaagata 120
aaatttcgca tgatggataa gataagcccc atgacaacca ttactactgt caaaaaaac 180
taaataaacg gcactgcccc aaatcaaata tcattctcaa taatcaataa tgtatgagat 240
aaaatcaaat ggctccactt atcgaggagg tggagcgaga ggggtggcag gttcgatttt 300
gcaaatccca cccatgcaac aatgccgact gccagaatta tccatccaaa tatgtcatac 360
ttcagatcac tgggtcttctt tttcttctga gtatttgctg aagccgaagt tgaagaacca 420
gctgttgctg ctgcctgctg ctgctgctgc tgacaaaaac catgcttatg gaatttctac 480
atgcagctca ggagcc 496
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<210> 42111

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034g10d1

<400> 42111

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gccacagcct ttatagacaa accaaatgct tatatcaaca caaacacgta tacagaaaga 60
aaccacttga agaaaacaga agaaaacaaa actaacaat tggaagtgga gcaccattcc 120
actctccaag gcattccaaa agtggatcaa tgatcttccc ttggcacata gcagtaaaaa 180
ctttgtcaca ctcttcaccc ggtgagacaa ccctttcacc agtaagcaat gctgtcccca 240
actcctctct cacaaacttg tacaaggggt aagacctgca ttccttgatc ttgttgggaa 300
tagcacattg gtcattctca tatgcaactc ttgcaccttc cacttcctta ggcaaaaggg 360
tcttcaactc ctctcaaat gttgcgatct tttggaagat tgatgtgttc gtgttcgtct 420
cgttctcccc attggccaat gcatagtcca caagcacttg cctcaggttt t 471
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<210> 42112

<211> 330

<212> DNA

<213> Glycine max

[illegible]

aaaggatctt	ccatctattt	actggggaaa	tgggtccaag	gtaaactcaa	aaacactaac	60
tttaagttct	attcctaatt	tttaacgatt	ctatcctaaa	attttcacca	catttaagtc	120
tactactttt	tggcctacaa	attgtttgga	tgattacttc	ggttcccga	aatcgttggc	180
caaattttgc	ccccccaaa	tcccgaaggg	gacaagcccc	acattgaaac	ccgtttctcc	240
aaaagcgacc	cacaaaacaa	gggtacaatc	ccttggccat	ggttttgagc	ccccccctta	300
aaggaagccc	atggaacaaa	agcctttttt				330

<223> Clone ID: jC-gmro02910034h01d1

gggtaacaag	cgctctccg	gaaaaaat	ttttgttc	caagtgggaa	tttgggaggg	60
acaaaagggt	aggtcagaac	ggtcaagact	tatttcgggg	ttgcttaaac	aatagaaatt	120
aacttatcct	tttttatcaa	acactttggg	ggtgggtttg	ggctaaaaag	caacaaggaa	180
ggggcatggt	ttcaagcaaa	aaaaatagat	ttggggat	ttacaacctt	cattaaggga	240
ttaataaaac	tttaagattt	gcaaagcccg	ccttggatag	caaggccaag	tgctgatgg	300
ggggggggaa	tcaggggggg	caattttaaa	tttgccatag	gggaaggttc	aggggctttt	360
tcccg						366

<223> Clone ID: jC-gmro02910034h05d1

attgctatac tttttttttt ttttggttc attttttaat tatttaatta aagaccaata 60  
aaacacctgg cacctataaa acccaaaacc accctcccg agaaaaacac gaatctgaaa 120

aacaacaaca cacaacagac gagccagaaa aaaaaacaca aaagcccgga ctgcctaaag 180  
agagagcaaa cacaataaaa acgaagagcc cccactgcct gctttccacc 230

<210> 42115  
<211> 391  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034h06d1

<400> 42115

ggttaaaaaa aaaacaattt tcattgctcc cctgatttat gaataagcgt attttatttc 60  
ccggggaagg gaaaaacaaa atacctgtc caggccccca aaaacagtat tgggttgat 120  
tatctgcact ggggcgaatc gggggaatgg ataaaagaaa aaaaatctaa aaatttggat 180  
gggtaaaaga attttttggc cggaagcccg ggattcaact gaagaggccc agggggggcc 240  
aagggtcttt ttttccatag aataaacttt ttccgggggt gccattaag aataaacgcc 300  
cttggggccc cccaacggt aagaggggcc aagaaagggg ttatggtttc cttctttgga 360  
tcgctctccg atttattatc ataatacgaa t 391

<210> 42116  
<211> 563  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910034h07d1

<400> 42116

agggttaata tattgaaatt gatgattaaa tacaagcttt agatccaaga atacaaacaa 60  
caaattatct ccttctcca actccaata caaactttta tagcagacat gagattattc 120  
cataaaataa aaatatgata caaacttaca agtgtctata tggcttcata gtcattctgct 180  
gcaggggctg ggggagcatc agctagagca gataacacaa caaaggcacc aaataagatt 240  
gtgataatgg cagtgaagtt gacaagcaaa gcctcagaac catatttgct caatcctgag 300  
ttctcaagga aagtgaagctt ctccagaaac ccaagagcag cagtgccac agccaagaca 360  
aatacaacaa gccc aaatag cgcggtgcaa ggaagtgagg cgcgctctaat gtctggagtc 420  
ccaccaggga agaaaaagat cacaaccca tatatccact gaatgccata aaggacaata 480

acccaattc caagccatga atgcaagctg tagagattgg caatcccact ttcattgtga 540  
 acttgaagga gtataaatcc aac 563

<210> 42117  
 <211> 542  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h08d1

<400> 42117

aattcagtat tcctactaaa tatgaagttt aatactattt gtactccacc taaatatata 60  
 aaggtgggtt aaaaaaatcc acttgcacg caaaaatggg tgcacatctg taatagcaaa 120  
 caagaaaaaa cacatttcat ctctgcgaaa atctcaaatt cacgtaccca attaagcacc 180  
 cgagcctata ataataataa taataataag taaataaata aataaaaaaga caataatgta 240  
 actaaaatct acaaacaac acggaggaaa gcaccaacac caactctgtc gttttcggtta 300  
 aatctagcat tacttccgac aacagcatga agtgggtctgt tttccagaga gcatttcagc 360  
 ccttttagctc aaaacccaaa ttttcttctt ttaatgtttc ctctttcgtt tcttcagtct 420  
 attggttggt ctgctacat tactagagcc cactacttgc tctccagttt tatcttctaa 480  
 gggtaatggt ttgatttcat catagaaact ttctgttaga ccttgcaacc catttcttga 540  
 tt 542

<210> 42118  
 <211> 536  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h10d1

<400> 42118

gtaatataca tgattttttt ttctcaaag ccaatgatga caaggttctc agagaaaaga 60  
 aataaaagca aaatataaca cacaagactt cgatattcta ctttcacagt taagaaacat 120  
 cgaattcaaa ggaaggagta acttgcctt aagtcaacgt acaggttact catgcgactc 180  
 agaagaatga aaaaataaag atgtttggga caagcccag aaaaataatt tgggtacttca 240  
 acttagaacc acgtgtaata tgaaccatcc tactgagaag aaaacaaaag aaaggaaagg 300

aacatgacaa cgaacagaag tgacataact aaagaactaa taaataataa gctcatgtca 360  
 gaaatctgca aagacggtga aaagatcacc attgatgtaa tcattgtcga ccaaactcac 420  
 caagaagtag ctgcccccaa ccttttaacc aatttcttgg atgcatcacc ctcagggtac 480  
 aagcttgccc atcctcttga ccaaatatca aatgccttat ccttccatac attgaa 536

<210> 42119  
 <211> 534  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h12d1

<400> 42119

ccaataaatt ccatgtgggt tatagctatt atactttgga tcatcatact ttactgtttt 60  
 cttagaatac gagactgaca cattacataa cttcttgag tggtcatgat actaatatct 120  
 tcttacatat aactactttg agtggtcatt ttgttctcac attacatacc ctccactggg 180  
 atttttgtgg tagctaaaat tattgtttat ttttctcaa ttgcttttga cacaatctat 240  
 acaattgtac attagtggaa aaggtaaaac gaaatatatt tatttttctt tatttgtaca 300  
 gaactggatt aacatcttgg tttttccact ctgtcaaatg ttgaaatttg actaaaaaag 360  
 gatttcagaa attttctaag tgctggcttt ggctcgcttt actggggcct gaagggaatt 420  
 tagataaatg gcgtcctttt tgtccagtcc atcaaacaga taactaaagg tggcatttgg 480  
 atgtatctcc cagtgccagg agtgaccttt aagtcattat tttccaacaa actt 534

<210> 42120  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a01d1

<400> 42120

aaattatata ttgcaaattg tgcacatgcc aagatccagt ataaaatgag tcgcacttct 60  
 acaatccaga aaaaaaagg gtttgggttg gttggggttg gggcaatgat aatactatgc 120  
 atttgaacat cgatttgatc cgcttgataa agataccctt ctttcaaatt tagaattcgg 180  
 aaaacacaag ccagaacatc ccaatgggaa catcacgctt agccctacga atcgagttac 240

tggcctgagg tatttccaac tcaagatgca ctgcctagat atccatggct ctgaaagaat 300  
 tttcgagtag attctagtct ttaccaaagt cagcactgta ttgtgcactg gattcaagtt 360  
 cctttgtctc gttaagcttc ttacagcct ttataaattc ttcattggatc ccataataac 420  
 gctctgtcca aaatgctgcc attccagctt ctgtgcagac attttt 466

<210> 42121  
 <211> 546  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a02d1

<400> 42121  
 catccaaata tagtaccat tttattcgac aacttgggaa attacatttg agtgacacca 60  
 aacttgtaat agtcaagatg cccaactcca cgacagcgct tattcacggg gcatacaaaa 120  
 taaaaaatag caacagctaa tcatgaaaga aaaacatata aacataacca cagtaataat 180  
 atgaaaccag tgaacaggat ttgaatcaac gcatcagagg agaggtttct atctgaccag 240  
 aggattgttg tgagaaaaat aaaaaatgaa acccaacaca aaggcaaagt cccgcctgca 300  
 caagggacta atatgagcta tccatgata tctgatcaca atctgagacg atgtggtttg 360  
 agagtcttgt aagtcactgg ctcaagaagg ggactagtgg gcttgctctg cttccccag 420  
 tacgatttgc acggaacgta gttaaataaa ttccgggttcg gacaatgttt ctttggtttg 480  
 taaaactggg agcattcttt gggagacttt tgggttacgaa gccccggaat gcattttcct 540  
 gacaca 546

<210> 42122  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a08d1

<400> 42122  
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 gaaactgtca tatcaagggg ccattcctac agcaagcatg tcttgtaag acaaaccttt 120  
 gaacccatgt cagccagact aacatctggg tatatataga actctcttca gactgcaaaa 180





tcgagctttc tccttcttgg ccttaacgcg ctgagcttta gcaagaagag ccatectctt 360  
 agcagtcttg gcataaggat tcagcttcac atagagttca ggttcttagg agggttcttc 420  
 ttcaacgtgg ctttcttcac atccttctta atgggcctaa caacagactg aacctcgtca 480  
 gaattaataa tcctggcaag atcagagtta acatcttttg gcctgg 526

<210> 42125  
 <211> 509  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b01d1

<400> 42125

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 atattttaat aataatccat gcgataagta tcaaatcata taacaactga attctacgaa 120  
 ttcatactaa ctacggaata ccaaaacaaa actggggagc caacactaca ggaaagttaa 180  
 gaaaataaat attaaacttt aagtatctgc tagagttgcc accctactca tcatcagcaa 240  
 atttggctct tttccctgtg ctttccgcag caaggttggg tctatttccc cgaccccttc 300  
 caccaccacc cttttacca aatcgaccac caccacttcc accaaatgga ccgtcaccac 360  
 caattccacc aaatcgaacg gcaccacccc tagcaccaaa tcgaccaccg tcaccacccc 420  
 tagcaccaaa tcgaccacca ccaccactcc taccaccagg acctctacce ccagaaccct 480  
 gattatctct aggtttgggt tcateccact 509

<210> 42126  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b02d1

<400> 42126

atatcttatt cgatccaaat aatgacagcg tcttggggaa aatcctctac tcctctctta 60  
 aaattataat ctatgcaata agaattaaat catatatcat ctgaactcta cgaactatga 120  
 ctaaccaccg catttccaca caacattcgg gaaccaacac tacaggcaag tttttaatct 180  
 acatattaaa cttcatgatt ttgataaagt tgctactcct atcacatgca cca 233

<210> 42127  
 <211> 533  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b04d1

<400> 42127

aaccaacaaa gtttactcat ttggaaatga acattgttca agaacaatta gatcaaagct 60  
 caatgcaaca ccaaggatgc cacaaaaccc tcttattttg aaacctatcc tatattaagc 120  
 ctctacagga gcaagagctc gcagctctca ttgtacctta atccactgtt ggctgaaacc 180  
 caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca 240  
 tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca 300  
 ccaccagtgg agatgtggct catcttgtct gcaagtccaa ccttctccac agcggcaacg 360  
 gagtcacctc ctccaatgat gggtgtcact cccttccac tcagctctgc cagtttcttg 420  
 gctatagcct ctgttcctgt ggcaaaactta tcaaactcaa aaacacccat tgggtccattc 480  
 caaataatgg tctgagtcgt atcaatgctt caccaaagt cttgatggaa tca 533

<210> 42128  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b05d1

<400> 42128

ccaacaatcc ttgcatcatg ttcgaattat aatttacata attattacag gcggtgaata 60  
 atagataaag gtacagttaa aaatgcaaaa agccatgaag ctcgagacat caaacgggg 120  
 aacaaagatg aaacttgaag ggacaggaca cacaagtga tagaacaaga agtcatattt 180  
 ttcaagttga agctcaaggg taggtttcag aggctgggac agccgcatat gaaccaatga 240  
 agacgtctcc ataaatcaag ccagccaaac ctctccaat caatgggcca acccaataga 300  
 tccagttagc agcgaagtct ccaactgacca cagctgggcc gaatgagcga gctgggttca 360  
 ttgaaccgcc actgaatggg cctgctgcta agatgttggc acccacaacg aaccaatag 420  
 caatgggtgc aatgataccc aatgaccc 448

<210> 42129  
 <211> 538  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b06d1

<400> 42129

aaataaacga tatactacaa tgcacaagtt ctacatacat gacacatcct tataacaacgt 60  
 ttagccatga aattggaaaa tactgtacag taagagatgt ttctttgccc cttaagttat 120  
 tagccctaca actaagtgtg tagaaagtca caagaagtcc ccttcctgca acgtccactc 180  
 tcataatact tgcagactac tctttgtccc caaaaggag gcctggaaga acctcctctg 240  
 ccaaattgatg actgcctatt ccaagattta ccaccgtaac cagaatctct acctgtgca 300  
 ccacgatccc catggttggg gaacctgtct ccattatgac ttgctcact tccccacatg 360  
 cctggattcc caaccggtgc agtccaacca ggattggcat ttccaggtgc tagccctga 420  
 ccaggcccaa cccaacctgc atttgcattt acatgggaac gtccttgacc aggtccaacc 480  
 cagccacctg cattcactgg aggtagcccc tgactaggag cagcccatcc tggatttg 538

<210> 42130  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910035b07d1

<400> 42130

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 ctacttcaaa taaatttcag tgactacagt aatcaaagtt aaatcccat ggttccaaaa 120  
 acttntcaca gtgcaagcct gtgcagttat agagatagca tgacaccaat tcatgaatag 180  
 agtctaagct tctctagttt ccagggtacac actatataac ctaccttatg acagcaaaag 240  
 aaaaaataa taacagaccc ttttctcttc tcctaacaga aataatatga actttaccaa 300  
 caccttcaaa cccagctac tcacacttga tggaccggta tatgtgacga acaaagagca 360  
 gggaggcacg gaatcctacg ctaccgagca tgaggaagaa gccatagcag atacaggcca 420

tgtaaccaaa gaagaacgaa gtttgcataa aaccagacat atctgacgt gcatagtagt 480  
 aatacaagca atagccgtag atgaa 505

<210> 42131  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c03d1

<400> 42131

caatctcaaa tttcatcacc atagataagg aaaaaaactt ttggtatacc ctttttttac 60  
 cagattaagg cctaaaagga aaaattacat atcttataac ttctcatgga ttctcattaa 120  
 tattttatg aaatttttaa ataactacat caattagctt ttatcaccat tcaccacaaa 180  
 tatgataact agaaactcaa cattctgggt gatctaaaaa cttcctttta gtaaaactgaa 240  
 ttactatata ccaccttga tagatcaaaa ttaatctgta cctacaaaac ctcccgttta 300  
 taaccataca atctctac 318

<210> 42132  
 <211> 86  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c08d1

<400> 42132

caatactctc ttggggaatg gtgataacta caaaacacac ttcccccttt cccaatattt 60  
 caatttttct cttcctaatac ttttttg 86

<210> 42133  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c09d1

<400> 42133

gtcaaaatat atattgccat tgggtttggg tctgtaacag aagcagcgaa gcataaaaaac 60  
 aatgcatcca aattaaacc cacaacggtg ctggtgcatt ttgaacatca aacacatcaa 120

cagaaaaaga ccacaagaac aagaatctga agtagattct agtagtcttc gtctcatcc 180  
 tggccctcac cagactcagc acccactttt tcataatcct tctcgagggc tgaaagatcc 240  
 tcacggggtt ttgaaaattt acctttttct taccttacac cccttcccat tgaccaagg 300  
 c 301

<210> 42134  
 <211> 494  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910035c11d1  
 <400> 42134

ctcgatatga ttttgttaca cagattcctc gtaaggtag gattaccaca actagaacag 60  
 ttctatgttt ccagcctaa taatcttaaa atgggtatgt acttcaccac caacactcac 120  
 ttccaaagat tgagatacat aatttaccag tccaacaaac ccatgttgac tcaagcgaac 180  
 acgcataggg acccaagtaa aaactagtag atcactaaag catcgagacac ataatactgc 240  
 taaatacaat cctcatttg tggcgctcaa tctttgctaa ttcgaagcag ggacaggaaa 300  
 ccgacctcgt cctattgcga agccacgtgt tccatctggc attcttggtc caggggggtg 360  
 cttegatgct tcggcagcat gagttgatgg tgtacttcca tggcccatc catttccagc 420  
 acgatattta tgtntcttg atcttccttg atttctatac ctctgcccac ctttgcctt 480  
 cgacagatga tccc 494

<210> 42135  
 <211> 322  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035d09d1  
 <400> 42135

cggggggaaa tctgaatcaa accccaact ttaagatgaa aactacaaaa ttcttggtg 60  
 aaaacaaact gccaaagaaa ttttagatgg gaataattta aaaaaacttg ccacattgg 120  
 gggtttaaaa acctaactta acagaaagtg tgttgagaaa attttctctt tatttgga 180  
 actgcgaatg gcctaaaaac agggattaaa attcttgact gggttggaag cttggaccac 240

ggagtttggg caaaccctc ggttttaacc cttatatatg catgcacacc ctaatagacc 300  
 tggttgagctt ggaccaaatt aa 322

<210> 42136  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035d10d1  
 <400> 42136

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 caaagctttg gtcaaaaaat atgaccccag aaattccttt atttgatct ttggtaatgg 120  
 aacccccctg aatacctttc tgcctagcaa gagtttcaaa aagctttttt gcataagcct 180  
 caaacttttt gttcaaccct aagcattggg caaagagagc ccgaggaaaa tagccctcag 240  
 gggtagcagt aagcttgtga aagcgctttt tcaccttaac ccattctggg ccaccattgg 300  
 ttttgctgat aaacttgagc cccgggagag catgaccac tgcagacttt gtcctttcaa 360  
 agggtttggg cgctggtttt gaaaatgatg ccaaacyctt taactgcttc atgcgaatgg 420  
 cagcactctg aaccacagag gcaccaaagg atgttttttt ttcaaacctt ttttttccc 479

<210> 42137  
 <211> 545  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035d11d1  
 <400> 42137

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 tgccgtgttg aatggtttat agacaatttt agaacaccaa agtacttgat gccttaagtt 120  
 aaatttaaca ggcaattcaa aatgatagaa acgatggaag aagatggatc taacatcgag 180  
 aaggcctatc ataagttgga ggaagagaag ggcaatactc attcatgttg gcatatggct 240  
 ccaagggtgtt atagccaggc agttccatct tgtattcacc aagaatctga cagaatggaa 300  
 tccggtcatt ctcatgttg caccaacttg gtaggcgtgt ttgggtgtcc tcgaaaattc 360  
 tgagcatgta tgcacgcga atggtgaact cggttacttg aatggaatta gcaatgggac 420

caaaaacttc agcctcttta tacatagaaa ggataaaggc aacacaagtt gtcgactttc 480  
catcactgta taccatttca tcttggtctg gaatggtgag taattcatca aaggatttcc 540  
acgct 545

<210> 42138  
<211> 480  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910035d12d1  
<400> 42138

atgtaataat agttgtacct atattattta catgtaaaaa tacttgcaaa cacattttat 60  
cttttgtata ggtagtggca cctatatattt tttctttggt aacctaaaga ataaaatctt 120  
agatgcttag ttggactaca ttaaccagcc caacgtaaga gtttcattca ttatgtccca 180  
aaaagggatc catcattgga gaatggaaaa ggcaaaaaaa cttatttttg gggggagaaa 240  
ataactatgg tggcccttaa acctcaatta caatttaacc agggaccctg aaagaaatat 300  
tttagaagaa taataaaaaa aatggtgaaa atgaatgtga aaaacacaaa ctcagctcag 360  
ctttttcttc tccaggatcc aattatggac tttgttgaca tattgctcat ttattttcaa 420  
atgtaatagg cataattttc tgtaaccctt caagatatac ttatctatgt aatcttcata 480

<210> 42139  
<211> 515  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910035e02d1  
<400> 42139

aatacaaatg tatctctcat tcaatgatag caatacatag agtataaacc aaggcaaact 60  
ggctgagtca atgaaaagca ttaaggttac attctgaaag aaagaaacca gaacaaggag 120  
ttcaatttga actcccatc ttattcttat ttatatacat acgatatcta ggaaaacaaa 180  
ctcaccatgt ctactatga acttatatat atttatgtac atgaactaag aaaaccatct 240  
gaatgaaagg gaatagggtg aaactgccta gatgtcacct aagatagggg agatactcag 300  
taaacacaag aatgttcctt caccttagaa gaaaatgcat gaagaaccat cctgctcttt 360



cttcaggtgg ctgacaacag aacaaagtct tctaacaaac aaggctagtg aaccaatgtg 420  
 gctttacaac atgtgtttcc ctcatgaccg gttgaacact gccaaattag tttgctgcgc 480  
 ctaaacacaa ctacaaattt ataagctaca tgatt 515

<210> 42140  
 <211> 69  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035e03d1  
 <400> 42140

aacatagtagt ttatcaccgg gggacaagga gcggatacaa atcaaaccac acattaataa 60  
 aagaaagac 69

<210> 42141  
 <211> 148  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035e09d1  
 <400> 42141

acaccacatt tttataatgg gttgaagggg aacaacaaaa aataaaactcc cctttaacgt 60  
 tgtggactaa agggaggtaa atttgtatgg tttggggaac taattgagac gtttttatct 120  
 aaattgataa agcgcacaaag tggtacta 148

<210> 42142  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035e10d1  
 <400> 42142

aagaaacgtc caaagtggcc ttattcaggg gtaatatgaa cattaaagtg gattcgtcgt 60  
 ggcataaata cgatgatgta aaagtaatac tacccttgta atattacatt acacacaatc 120  
 tgcacttagt ggacactgga tggatgctat atcattacat aacacacgaa ggctgcgaat 180  
 aagtagctaa tacccttttc acgaagaaaa gtgctggccc tcgcacgcgg ggctatcgtc 240

gaaattcttc gatggatact tcgccgtgac cataccgacc tcgaagacga tatcatcgcc 300  
 ggaggagcgg attccggtga tggaccacca cttgaagaac gcgcgaaccc taatcccctc 360  
 gagttcagcg attttcccct tcacgatctt ccctgtgatg gtgtcggaat aggtggcgac 420  
 cgtaattgtc cggcgggagc gtg 443

<210> 42143  
 <211> 364  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035e12d1  
 <400> 42143

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 tagatcactc tattatttca ctcggtagta agggagaaaa agccctttca catcattcac 120  
 tgggggacaac ccttcaaaag ttaaaaagaa atcactttta ggcttaaaat acatactgaa 180  
 caggggacaa ttttgaaaaa ccaggccatg gtacttgaat gttgaccata gacccttcac 240  
 attcaaaatc aacttttttg ccatcaattc tacaagttct tggtttctct gaggcataaa 300  
 ctctcatctc cccagggcct cttaaaccac cttcaaccaa attctgaccc tcataaaaag 360  
 ctaa 364

<210> 42144  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035f01d1  
 <400> 42144

cgggtatata cctttatttt aaagaaataa taacaaaata taacacacat aatgaatctc 60  
 atataatgct atattttctt ccctaataa attatgtaaa cacgaagatg ttttaactat 120  
 aaaatcatat tatatcactc aactatttca tatgaaaggt taacccatat ctaaatttta 180  
 tcatgaacat taaattgaat atgaatatca totccacttg catattcatt catactatt 239

<210> 42145  
 <211> 243

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910035f04d1  
  
 <400> 42145  
  
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 aatgaaaccc ttaaaagtgt actaaatcac aggctcccc ctcattcaag cccttgtcca 120  
 catgatgctt aactacccaa aacaaaaaac actaccactg ttctatttct ttacggaata 180  
 taacttttta ctcaccattt attctatcag catacccct ttggtttatg aggtccactc 240  
 tca 243

<210> 42146  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910035f08d1  
  
 <400> 42146  
  
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 cccacaaacg ttgaatgcta aagaatcagg acatgctatg gataccacaac aaattataca 120  
 ggtctctacc ttcaatcacc ggggtgccccaa gaatcaataa aaaccacttc ctaatccgca 180  
 attgactggc ggacatcaat tgccgagata aaactttgca accaactata gagcatgggtt 240  
 taaa 245

<210> 42147  
 <211> 541  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910035f11d1  
  
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 aagaagggtc aatcaagatg attcttaatt cttattatgt gcaatcaaca tcccaaactc 60  
 cagatatatta ttacatgctg caataatcta aattgaattg aatagttact ggggggcaat 120  
 tagcgtcccc ttgccaaactc cacacaatat ccctgagcga aggtctgact tggctctcac 180  
 agaaattaag gtattcaagc gtgtctccgg cggacttgga gaactcgacc accgcgacct 240

ccggcgccac ctggaatacc tccaccgtca tggccagctt ccccttctc cttccgtcg 300  
 cccctgcat cctcaccatg aactccttct tccccgtcac cctaaagttc agcttcttgg 360  
 ccacccctc cagcttcgcc atcaccgccg aagccgaaaa cttggaaatg aacattgacg 420  
 gcgaccgctt cctcgtctca aacaaattcc tcagatcgaa cccatgacgac aaggacgaga 480  
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 g 541

<210> 42148  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035g01d1  
 <400> 42148

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 aatatatgat aataagaaaa taagaaatat gaagctaaca tgtggtccac ctaaataaaa 120  
 tatctttaca tgatatttag ataccgataa aataatatat taacaagtgt gtattacata 180  
 tataaggatg acccttatca agtcattaaa aacaacagct tacatattat gaacataatc 240  
 agagatcgct a 251

<210> 42149  
 <211> 350  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035g03d1  
 <400> 42149

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 cctagcaact ccccaaaatt ttgtggcact aaagctgccg gttagaattt caaaacggtc 180  
 cttggcaaat tcttcggtat gagctacagg agaagaagat aagtatctca ttgtgtcaat 240  
 tgagtgagag cctaactcgt tgtacgagtt attcaacact ttaagtgact tgagcaatct 300  
 gagaggcccc aaagcagtaa aactacaaa atttattatg actcaaattt 350

<210> 42150  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g05d1

<400> 42150

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 ttcaaacctt aaaatgtctc cctctttttc gaacaccccc atataaaccc catgatatca 120  
 tgctgcttat caaccctcta cttaaaacgt tccaacttaa aaccaacttt atggtcatta 180  
 agtttccctc aatccttatt ccacacacaa aatccctttc cttgatgctt aaccctctca 240  
 ccctatcctt caaaacccta acccctccaa caaaaaagat attctttacc tctggcctaa 300  
 agaggactta tctttt 316

<210> 42151  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g07d1

<400> 42151

atcaataatg tttaaggctt tggcatataa tgctatttca ttttttttag ggaactacag 60  
 aagaataaaa ctactagaaa gaaaaaactc ttgaacaatg ttcattaccc tggaggaaaa 120  
 aacagtacaa ctattgggaa caagctcgac aaaacagaat gaggaaaata atttttagcac 180  
 tctagaaaac tagctcatgg ggcttcactc ctgccttcaa ggaaaaccta gcacccaagt 240  
 aagacttgag ctctggaaca ctctcaatgg cctttaacaa agcagtgtcc acggtttttt 300  
 ggtcatcttt cttttcttgg ggaagacat ttttctcctt cctctctggc ttaaagaatt 360  
 cgccttcgcc ctttgggttc cttttgctaa gcttctt 397

<210> 42152  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g08d1

<400> 42152

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gaataacaat agagcccact tattccaaca cacatacaac aaccataccc ataagggatc 120  
acacgtatgt agacagagac cacatggcat agcataacta atcaaaaaac atggcatagc 180  
ataaataatc aaaccccaaa aaataaatga tacaagattc atccatgaac aagacaagat 240  
tcttagctat ttataaatgc acaatgcttc ctgatctctc cttctgtccc tgtcttcaca 300  
ttaattcttc ccattttctc gatggagggt gcaaactcag caaagaaatt ttcaactgac 360  
ccttcaagca attggatgat ttgtgccttt gtaactgagt tagtcaataa tgcagcatct 420  
gactcaaata gacccttct cttattaacg tgactatagt agctaagatc aaatgtc 477

<210> 42153

<211> 536

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g09d1

<400> 42153

ggattagaat tttctgata cttattatt atctgggtat accacacgtt ggtttccttc 60  
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gacatttcag tacaatagtt tattttcaag caatgagatt ctaaaaccag aaccacaaac 180  
gaaacaccgt tgagattctc aacgagttca ctctgatca agcagagata tcagagacta 240  
aaagttggca aagttctttt ctttcaaagt ttccactgtc tctctaagac tcaacttccaa 300  
aggaataaat ttaatcccca aggtctttgc cttttctttg gaaacctgaa atgttggtac 360  
ataaggctta tcgtctgcag acttttctgg aatttgatat gtctgggtact gatcacgtaa 420  
aatcctggcg agttcaaagt attgtgcctc tctttcaact aaacaatatc ttgcactagc 480  
tgaagcaatc ttatatgcct gaatatgggc gtttgcaaca tctttacatt gatcca 536

<210> 42154

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g10d1

<400> 42154

aaacaagcaa tggtttattt attattgata aagaaaataa caatggttgt gtttattgga 60  
gcagcaattt agcttcccca atcacaccat taacccaaaa aagtgggtgtc aagaaagaca 120  
ataccaaacc aaaccgcagc agcaccaatt atcaaaatca caagtcagag gaattttctt 180  
cctcctgagg aaagcgaagg tgctttcctt tgggtgttgg caaaccttc aaacgcatca 240  
catcagactc agcacaacat tctaccatt tctccacaat ctcatcctca ctatcgtaca 300  
caaacctcgt gtgcttccca caacccttgt tctcattcac actaatgtta ttcattccag 360  
cacatagctc ttcaagtgc aaccctccaa cataatcata acactcttca gcattcctgc 420  
aataatcttc ttcttcttct ttcttcttcc tcttcaccca tttcctcatc gtcctcatct 480  
tcgtcatgcg tgctcgcatt cacctgaatg gaccaaattg aagcaccatc a 531

<210> 42155

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g11d1

<400> 42155

acaataataa atccatattt ttataattaa aagtagtaga ttacagcgat gcacttgaga 60  
aacatattaa gtggactaat tctccctggt caagcaagaa aaaaaccag ctatgacca 120  
aggtagagag agattatata cagaatacta gtaattaact aagactggct ctgcaattgc 180  
caaaaactcc attgcagtag cagccacctg agaagacact aagacctaga ctagaccata 240  
cataatgaag attaataccc ttacataaca acataggaca ctaagaaaac acggcttcac 300  
agagaatccc agtcgatctc ataagagggg tacttctgga gattaaaatt atccgaatca 360  
ccttcccact gcggctcgct gacgtcagcg aaagtcagaa ccgaaagcgg cgaagaacct 420  
tcagaagagg aggaagcagc ttcgacctta cagagttgtt gtcgttggtt ttgtcgttct 480  
ctggcggaga agcgagtttg ggtcgcgtt tctcggagg cttctcggtc ttcacctg 538

<210> 42156

<211> 566

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g12d1

<400> 42156

acaaagtcaa tttttgaaat tgttattggt gtaatagatt acaaggtact acacaaaggc 60  
 atattttgtt aagacactag tagataccaa ccatatatca atttgataat tgatgggcat 120  
 taaaaaaaaac cacttgcatt gtttctgtct caatgatcaa tcttcgtaga agcctaattt 180  
 ttgtagcttc aaatgatagc atactaagac tccctttaac atccttgga ttcataaaac 240  
 tgaacttttc ctgtaaaggc gaagggatca agtgagtgtg acgtttgggt tcatccaaag 300  
 caaactcaac aaactttaga taagatactg aacaacttgg tataaaatta ctctcctcc 360  
 tcctcaaggc acaagtaaaa ctgactatcg ctttttaaaga ccaagagttg tgaattttca 420  
 ttattatctc attaacaaac tcatgtatag tgaaaagaaa gtacttgtac atccttctcc 480  
 aagtacttta cacatatgat ctagtggtgc ctgttctcgt tgattctttt ctgctttaga 540  
 acctccattc aatggagtta tgtccc 566

<210> 42157

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035h01d1

<400> 42157

ggcctaaatc caagactatg taaaatccaa aaactaattt tgtcaccaga cttaaatagaa 60  
 atgggaaata aattcatcgt gctctaaaga accttgaatg acaaaaacaa tccataaacc 120  
 tgtaaataatg taccacagc aaaacttatg aagtgaataa ttttaagacgc caaattgggt 180  
 tgctatcttt aatcttaata cc 202

<210> 42158

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035h03d1

<400> 42158

caaatcaagt tcacatattt ccaaatatac actggtacaa ggatacacia aataaccaca 60



catacactga caagcattat ttgtgttact agaaagtaga ttgatccaaa agggtaacca 120  
 cacactcctt agatagagat actgttgga attcctctga aagtcaaccc ttcctcactt 180  
 gtaggaagga gcaatgtgta tggcagctga actgggtccat agcgatTTTT cttatttgaa 240  
 tccttgtttc tgcgtgtgat ttttccctca atttctgcca gcttgcttcc aaactttttg 300  
 aatgcttcta atgcctttga atcagatgtc caattaggat tgtctctctc cccaaggtag 360  
 atctcatcag aagcatgcct tgacaatatc tctatcaccg taagatcaat aatgggttgg 420  
 cgcttcggtg taatggttct caaataagcc gtttggggac tctccaacat ctcatcatat 480  
 tttttg 486

<210> 42159  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035h04d1  
 <400> 42159

actattcaaa cacacaataa gtcatgtaat gcatcatagt ttatacataa gaagccacgc 60  
 atagcatcta aataaacagc aaaaaattat taatttctag agaactacac agtgcaaata 120  
 catgcatata tatagagttc tgtagtgtga ctgaagctaa gttattcaag aacaggaaag 180  
 aaggacttga aattaaagca aatctacttg ggaacccaaa caacatgac ctcaggtagg 240  
 aagtggcaga caggaacggt tcctggctta actttgagca cttgaaaggc caaatgttta 300  
 gggttccatt ccgacgtgtg agtgtggcac actgctaccg ctttaaccct aacccatta 360  
 gcaccctcca aaggcacaga gtaagctctt gtggtctcag ttttgtgaca gtaaaaaaca 420  
 gcataagg 428

<210> 42160  
 <211> 383  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910035h05d1  
 <400> 42160

cccaaagggg aaattggaca cataaatttg attttttaaa agcaaacc aa gcaaaatttg 60

aacccaaatt taaagttgcc ttttaaaagg gaaaccaaca ccgcaacggg aaagccctaa 120  
aacttggtgg gcttaacaaa aatgtattga ggggttctcc caaaccacc acattaaaac 180  
agaatgataa aggggggtctt gccaccggag atcaaaaacc caattttggg aacaaaagtt 240  
gcaaatgat ggggggagact tcaaactatg tccgaaaac aagctcccta aaaacgaaaa 300  
cacaagggca agaaaccaac attttttgta accataaaaa acgacattcc ttgatgaacc 360  
aaaccggacg attcactttt ttt 383

<210> 42161  
<211> 402  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910035h06d1  
<400> 42161

agagagggct ttacacgctc ttaaattgga ctgacgagag tcgactcgcc ctgggcgcgg 60  
tgagtccgaa cacgtcactc gtgtccaact cgctgggttt cattccatct ggtaactccc 120  
atgtgaagca gtgaagcaag tgtgccatgg ccagttccag cgtgtaaaga cccagttgca 180  
ttccggggca ggatctccga cccgaccga atggaatgaa ctcaaagtta ctccctttga 240  
aatccggcac gtgcgggttc agaaaccgag aaggcttgaa cgcttccgag tcctcccacg 300  
cgctcttgct ccgccctatg gccacgcgt ttatcatcac gcgcgagccc ttcggcacgg 360  
ggtaacaaca cacggccgaa tcctccgaag tttaatggag ga 402

<210> 42162  
<211> 508  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910035h09d1  
<400> 42162

atacaaaatc atgataatca atataaatca tcaatataat aaaagaacaa gcaagcacia 60  
caacaagctc atatctaacc caatggtatg aatctgaaac tgaatccaaa aagcaaggcc 120  
cgagtgtacc atgtattctg aaaaagcatc ataatacagta gtgccaacct gatcagcatg 180  
tattaactcc atccttgcaa tctttagtca aattgtagaa cgtttccacg cgtgtctttc 240

002220-03200

cacggtaaaa gacctcagta tccactgcaa ctctcatgta cccatcaaac tcaacaggct 300  
ttccattggt gagaagtgtg gtctcgttat accactcaact tgtatttccc cacagctcct 360  
tatagtcatc aagcagatgc accttgtaat ttgacctcaa cttatcaaag taattataat 420  
aaggctcatg ggggcaatgt acaaagtgtc ccaggctgaa cctccattta gctttcgaca 480  
gaacatccgc gacgtatata ttcaatga 508

<210> 42163  
<211> 424  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910035h10d1

<400> 42163

aaaaaaaaac ttagtgaata tttcattagc caagactaca gggcacagtt tgcacaccaa 60  
aaacatatta cataccacac tatgttaaag ccacatcttg caggtcaccc ttgtaaaatc 120  
aattattttc actacacacc cttgaataat aagcgggttg ctttcggcta tggagaacat 180  
gtactaatgt gtctcactct ttttaactcaa accttaaatt acagacagaa gcatgttgat 240  
tgtagtggag cttatgcatg ttcattggaat gggacagaca actatttttc cagttgctta 300  
tgtttgtttc cagatgggca aacgctttaa cagtctgaga aaatggaaac gggctctttg 360  
tgttcaagat ttggctatag cttaccattc tcaaaaataag ggcttagttt ttctaaatac 420  
gccc 424

<210> 42164  
<211> 529  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910035h11d1

<400> 42164

acaaagtcac tttttgaaat tgttattggt gtaatagatt acaagggtact acacaaaggc 60  
atattttggt aagacactag tagataccaa ccatatatca atttgataat tgatgggcat 120  
taaaaaaac cacttgcatt gtttctgtct caatgatcaa tcttcgtaga agcctaattt 180

ttgtagcttc aaatgatagc atactaagac tccctttaac atccttgga ttcattgaaac 240  
 tgaacttttc ctgtaaaggc gaagggatca agtgagtgtg acgtttgggt tcatccaaag 300  
 caaactcaac aaactttaga taagatactg aacaacttgg tataaaatta ctctcctcc 360  
 tcctcaaggc acaagtaaaa ctgactatcg cttttaaaga ccaagagttg tgaattttca 420  
 ttattatctc attaacaacac tcatgtatag tgaaaagaaa gtacttgtac atcctcctnc 480  
 aagtacttta cacatatgat ctagtgggtgc ctgttctcgt tgattcttt 529

<210> 42165  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910035h12d1

<400> 42165  
 actatatgta atctttaaaa gcattcacia attaatgaat attcatggga tcagacccat 60  
 ggcaaacata tcatttgcca aataggccaa aggagcaagg atttggcata taattgactc 120  
 gacattccct gtattgactt gctaacacat tcatttatac atattctttt ttgccccat 180  
 aaagaaaaat gatagaagaa aaaatccaca aaaaatctct aaatctattt ttttttcccg 240  
 catattcaaa ctatatgtca aaggggccaa gactaccggt gttgtcttgg gtttgaacta 300  
 cggagagtca caccatgcaa aaattttgta tatccaagta aactaagctt tccatcagta 360  
 tttcttatcc aatctttgag aactgaataa gctgaaggcc caagattcaa ctctctggct 420

<210> 42166  
 <211> 474  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036a05d1

<400> 42166  
 ggaaagaaaa aaaaaaccca aagggttaagg gatcccccg ggcaagagag ccaaatttta 60  
 acccccggg gggttttttt ccccccccc atttttggcc ccctgcgggg gggaacaaaa 120  
 acaatggggg gaatttgga aaagaatttt gaaatggaaa ttcccttttc cccaaccct 180  
 ttttaggcca tggcatttaa aaccccgaaa aaaaaaaact ccgcccttcc ggggggggttc 240

tgccccacaa aagttttttt cctggggggt ttccccccag aaacccttgg ttgtcttggg 300  
 gggccctttt gaaaaccagg gctcccaaaa aaaccaattg ggggcggggg ataaccceca 360  
 accgttttcc ccgttttttg ggggaacca ttccccgggg ggggggcat ttttttctga 420  
 cccccctt tccggggggg gaaaccctt tatggggcga aaccccccg accc 474

<210> 42167  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036a06d1

<400> 42167

aataatacta acaaataaaa tttgttccg aaaatttctt agagtactca aaaacataaa 60  
 ttgattaagt ggccagcaac attagacacc cttgatactg ccaaagagc ccttgagatt 120  
 tagaagtttg cagccacatt agaaacaccg atccaattaa tcgtttctcc tactattctt 180  
 cccattgcag gaaacaagac agcaattcac taggtttatt ccaaagaca gatgtgaact 240  
 ttttattcag agaaacaaac attggtacat cctcgggtag ataacaatat tctgtcttta 300  
 tccatctaatt tgatgacata ctacaagttt aaaccaaatt acatgctgca aaaaaggac 360  
 ttccccgcc catgacttct acaacatgcc ttgtctagct attaggatca acaaccctt 420  
 ttctccacta catgaccta atactaggt 449

<210> 42168  
 <211> 562  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036b03d1

<400> 42168

aaaaaaaa catctccatc acttcaaat taattttaac caaatcaatt ttattaacac 60  
 tcatccaaac atactataaa ttattttaat ttatttaaaa tgatcgaccg ttctgcaaatt 120  
 gtaatcaaca gaaacccaaa ctggaattaa tccgaaagca ctcaattaat gggccaata 180  
 ataccagtt cccgacagtg catccttcca taccagggc cactaatata gaatttgtca 240  
 cttgctttgc aaatcctttc ttgcacctac tttagccacg gtcacactaa ccactgttat 300

002220" ETTT2560

tagccacaat ggtaaacaca accatgggat ttacaggcaa tcaccggcaa taaattgcct 360  
gatcaatttg tgggggaatc tgctttatct cagatccaag ttcttggtca atcctatata 420  
aattaaagcg atcctcatag gtaatcaagt tcaactggtaa acccaggtgc ccaaacctcc 480  
ctgaacgacc aaccctgtgc aaataagtct ctgcgttctt gggaaaatca aaattaataa 540  
caacgttgac ctgctgaata tc 562

<210> 42169  
<211> 487  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036b05d1

<400> 42169

gtctccaaag ccttcactgc atcattcccc aattcaggag acgagtcctc ccttctatga 60  
tgaacactcc atcctccctc accatctaaa gacaaaacca catcatggaa tgcaactaat 120  
gctggacgat gtgatatggg aatacatgat gttcccatag ccagaacatt agcacaaaaa 180  
cgttcttcca tatcaggagt gacagcactt gtgcactcat caagaatggc caatttaggc 240  
tgatggtaaa aaagtctggc catgcccaat cgttgttgct cgcccaacga aggttattac 300  
cccaggttac ctctgtttca gacgggtacc gatccaatag atactgatga tcaaccttca 360  
atacatgtac aagcaattca gatgaataat aatgagtaaa ataacatata atcatcagac 420  
actaaacatt aatgtggcac tgagatagaa gtaggattag atgtgagttt cacatttttc 480  
aatagct 487

<210> 42170  
<211> 453  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036b06d1

<400> 42170

caagaataac tttcccataa tagtaataaa aactgagcaa gtgaacacgt atacatgtgt 60  
tctccacacc atattctgta attaaccact aactaatcca tgattgcat gtacaaatcc 120  
tgattaaaga actttattgg agcaagcgca aaatcagaaa aaggtcttgg ctgcgaagat 180

tattgtgaag aaaaaccggg ctgtcgaaca cccaaaattg gatacagaaa tgacagaaag 240  
 gcgttattta atgtacagaa actggatcta aatgatgaac caaaagattc tacggaaagg 300  
 cggctctgat aaaaaaacat gaacccaaac attattctag tcaaactcgt gttaccacac 360  
 agtaacatca gagttgtgtg catgggccga tccagcattg ctgttatcca tagagtgaca 420  
 tcacatacat tttccttgat taagtaaaaa tga 453

<210> 42171  
 <211> 542  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036c02d1

<400> 42171  
 attataagag attgttgtat gaatattata ttccaaaaag caataatatt atattgcctt 60  
 gctacactag ggaacatcag caatcacaaat aatgtgtcga tatggagata aaactataaa 120  
 agatattagt atattacagc aaactccaca gggtagatgc tgatgccacc ctacatacat 180  
 ataaaggaac atatttttca gttatgcaag gtgtggttgg aggagggggg gcctttgggt 240  
 gggcattggt agcacttgac aaatagcccc aatgtgtcaa cctgcttgat gaaatttgtc 300  
 atgctggccc accctccaaa cccaaagccc actaccagaa cccacaccac cacaaatgca 360  
 ttcaccacgt acatcacctg ccagttaggg ataaagaagg gcaatttctc cgcggcattc 420  
 tgtcttgctg aagcagatct gtatgtgagc atatgagcaa aagcagggat gatgtaaacg 480  
 gtgaagctga ccaaagggc tcccacagct gaattaatgg gcccaaagat agggaaaata 540  
 at 542

<210> 42172  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036c03d1

<400> 42172  
 ggaaaaaacc aaattagtat tgcacagcac aaaaacataa tactatatag cacaaactgt 60  
 ttctttgtag agaatacaaa atgctgcaaa gcttacaaca tcaaacacag aaaagacatc 120

caaagctggt gaaaaataca agagatgact cttctttgaa atattgagaa gttcactttg 180  
 ttttttaaac ttctcaacaa cactgtttca ctgtctgtct tgtatcactc actgtatata 240  
 agttgtaaag cggagaagaa agaggatgag ctctgccttt tgtctcttca ctcttttctg 300  
 ctccgggcct tccatcttat ataacttacc tattttgatc taacctactg aaatgcaaaa 360  
 tacacaaggg aagaagaaga ttgacatta aaatatagaa ggaaaaacgt aaagaccctc 420  
 tcctcactgc acatttgtat ggctacacaa tcttacacaa caaagcagga aaccattccc 480  
 at 482

<210> 42173  
 <211> 516  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910036c04d1  
 <400> 42173

cttgaactat atatcattct ttaagtaatt cattccttct ccaatacaat aaatacatat 60  
 aaatgccaac aaaggtttct attattacat ttggggaaga ataaatcagg gaaagagagt 120  
 aatattcaat aaaaacttta actataacaa cagaatggca aaaaattaca aaggaggctg 180  
 aacgcattgt gctggcctca acacttttga agcacatttg tacacagggg agcttctctg 240  
 tgtattcaaa tcaacccatc agatcctctc agaaaacccc gattttctaa ttgaccaata 300  
 accctgtcaa ttcagatcct ctcatctaaa atcatggcca tcattcgcgt gaagttttgt 360  
 tctgcttgat caaggcatat gcatcactgt atatagccac aacgtttgag aagactgcaa 420  
 ggactatcat aatgacagac aaaaacttgc ctgatttagt agcactgtgg aatcggtcct 480  
 taagagtgat ggcagctgga aaaatgaatc ctatac 516

<210> 42174  
 <211> 578  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910036c08a1  
 <400> 42174

caacaactcc tttttttacc tcttcacatt ctccatttca cagggttctg atcatgttgg 60



ggaagaggcc cgggccaatg atcggaaagt tgtcggagtt gttgggtctcg agaggccgca 120  
 cgggtggcata tttggacacc accggaagcc ctagaggccc attagacatg aagatgatgc 180  
 aatcatcacc aagaggctta aaaaactatg atcttggtgg tgttggtctt ggaattgtag 240  
 tggctcttga taaatccaac gaggttgctg cacgtgaagt tttgccc aaa cagccgttt 300  
 gcacctacaa tttgaaccgg tccggcccaa tcccggttca ctacaccaa aaccagatg 360  
 aatttgatgt ggaggaatac acctatgtga catgccacgt acctaacaaa acgttcacta 420  
 aagtatacta tgatggtggt gaaggtgaaa ttcggagaca ttacaacaac agcaacgttg 480  
 gagttctcag aagaaccgca ccacaacctt tgattggtga ggccgaatca ttgtaccca 540  
 catcgaaatt tctcagttca tgtcacttat gcggaaag 578

<210> 42175  
 <211> 285  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910036d02d1  
 <400> 42175

ggaaagccag aacaaaacct ggtaccgagc ccactactag aacttaaaaa gaaagatatc 60  
 ttttcttaaa ctacttcac atatcatatc taggcccga aatataagga ggcaaaagg 120  
 ggaagggaag agagaccgca cgaaactccc tgttcctgac tcacaataac atattgacca 180  
 tacaattatt caaggaacag agttaccatt ctatgcaagt taaatggcgg ttgtaacttg 240  
 caatccttct gtctacaact taaaggatct gccttttttc agggg 285

<210> 42176  
 <211> 536  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910036d04d1  
 <400> 42176

aacatgaaac accaggaacc agctgccata aagttcaaac aaacttccaa aggaaacatt 60  
 agcaaccaga cattactgtg taaatcaata aaatgccaca gaaaataatt cagacagtat 120  
 taagtcctac acgacaagaa atgattaata ataataata ctataatatg cttttgactt 180

ctgctgtatg aagactgcta ccaacttcta gcccgatct ctgcaaattt cataacagta 240  
 cagcaagggtt aaagaagtga gtcccaaact tcgaagaaag acatggcaag aggttagaaa 300  
 tcaggttcac aagagctcca agaaacatca ggccttttgg aacactgaac caaaattgaa 360  
 caaaatcatt tcattctctgc catgaacttt tcatactctg aatcagctga tgaagcagga 420  
 ggaggcactg atggatttgc ggccttaggc acatttccaa tgctctggga ttgattgtct 480  
 gccgatgaag caggaggtgg gactagagaa ttactggccc aaggcacatt tgcaat 536

<210> 42177  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036d05d1

<400> 42177

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 gtagtcaatg atacaccaac caaaacccaa acatcagggc acgaatgcaa ctaaaatcac 120  
 tggtgagaac catcaaattt tacactatca agccatgaaa caactatttc aataaagggg 180  
 ctctgcctag gatcttgggt tagggattta caccaatgg caagcacctc caataactgt 240  
 ttctcatgat ccttgtgcca aattactgga tcaaaaattt cctgctcctt attctcaa 300  
 ttcatattgat acacccaaaa caccagattt ttgcagtttt tccccttgaa gacttccaca 360  
 ggccttctac cattaagaag cttgagaaga acaaccccgaa aacttttgac ttccccct 419

<210> 42178  
 <211> 530  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036e04d1

<400> 42178

ggagtaaaaa gacactctta agtttggat tatgaaaatc atactttgca ccatgcttgc 60  
 aaaaagttaa accaaattat gaatttacga atttaataaa atgatgcaac atggcaaaga 120  
 aaagcccttt gataaaagaa tcacgaatgt aaaagcaaaa ctgtcataaa agctcagtgt 180  
 cgagaggaaa aacgatcaca caatttggtg gttttctgtg atcaactgtg ttctctgaga 240

atacttagga ggattacccc catttagcgg tatgatgctg gtgaccttca ggtcactaaa 300  
 tgtttcagtt gctataaaac gaactgaaat ggggaagaat gctgatgatt cggcttgtgg 360  
 aacaacaaat tccattgacc cactgcggtt tgaattatca atcagaagga cagaccactc 420  
 caaaaaggaa ttccttgagt catacctcca ttcccatca atctgtctaa cagatgggtgc 480  
 atctcgaaga gctggaagag gtactgagat cacaacattc cgcaaatcaa 530

<210> 42179  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036e05d1

<400> 42179  
 gaatcatcat tcatcaaata aagttcccct gctagttaag agcttaaaaa atagttttat 60  
 gcttctctca agtctaaaat gctactaccg ttacaaagac ctttcctggt attgccatgt 120  
 tactgctata ggacttctaa cagcatatct acctgatacc caagtaagt acccaaata 180  
 tgaacttcca gcaactgctg ttcttccata tgaaacaaaa gaaactttat aactcaattt 240  
 gacaccaatt tttgtgaaac caatattcct tggttcaaca gagacagaca etc 293

<210> 42180  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036f03d1

<400> 42180  
 caaacccgcc tttttttttt tttccggggg aataataaag ccgattttct cctcaaactg 60  
 ggcggggcaa tgtttatgtg cttagcgggg acacccaaat aatgggacca agcgcggctt 120  
 ccgcctaacc ctaaagggtg tgacccaaat tttctttttt gaacaaatgg gaacctgcac 180  
 tgggacatgt gacactcatc caaagacttg cctttaccat gattctaaag aaaagaaaaa 240  
 gaccttgctg gccagggaaa aaaaacctca atatgttggg agtttaaagg tgggacaagg 300  
 actatcaagc aatgttgg 318

<210> 42181

<211> 412  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g02d1

<400> 42181

accattcatt gggaaccaac acgttgattc cttttgatcc accaagttaa gtttctaacc 60  
 ccaaagatac cccatggaga aaggggacaag acaatatgac tttggccgtg tgcctataaa 120  
 ttattttgac agaagccaac gttatacttg aggttggcac tcaagaaatg ctatagggtg 180  
 aaaggaacga gttcctatct tgaaatgagg caactggtgg actgtcttta ggttcaaggc 240  
 taatcagatc tttcatgaac tctgatatca agaacaataa gtgcttgatt gatcatcaat 300  
 tagaccacgg gcgccctttc aatatgacca tgcaaatagc gtgaattaga attcatcctg 360  
 tacatgcttg accactagga cttgatttcc tggagctctt cccttcgtta ct 412

<210> 42182  
 <211> 548  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g03d1

<400> 42182

acttccttgt tatttctccc ctcatatcat gagactagta caaacctctt gttagtatac 60  
 atagagatag tactaaacac tcccctgatt taatgatggc aaacaaaaca aaacaagacc 120  
 ttctggaacg aagatacaaa gaagtacaga agagggtagt agtagcagta ctaagcataa 180  
 tttccgtctt gaaacatagc acatcaatgg catgcctcat ttgtgtggta gctgactctt 240  
 tcagtgcaga aaggggggtgt agcataataa caaaacaaa caaaacaaag tgtatctgag 300  
 aacaaaacta gagcactaac tttcagggtc gcaaccatat tcatgctatc ttgatagtaa 360  
 taacaaaaaag gaaaatacag gtaataaatg actcaaaca acttaaccag tgttctgcat 420  
 gccagcagca atacccttca tagtgagaat gaggggtgtc tctaaaccag gagcatattc 480  
 acttggtggg ttcagtttta taagttcatc aactgatttg cttgcctctg cagattcctt 540  
 tgatatgc 548

<210> 42183

<211> 524  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g04d1

<400> 42183

aagaaagcaa gacagaggtt atatgttgaa gttaggcaca tgggaacaac tcaaagtagt 60  
 gccacgctgc caccatacat ttcggcactt tagtccgcag gatgtttgca atcggtagta 120  
 gcttaatatt taaaataata taatcacaat attaggagaa atatatatga acaaaacccat 180  
 gccaaaaagc ttaacaagct tggtaatgcc gacacacaaa gaatgggtga aaatgtgatg 240  
 ggaagagtat aaaatctgag aattttactt ttggaaccca ccaaattgat attgttggtt 300  
 tccaaggttt gagaaaaagt cgtctccagc tattggctgt gaaggagtga atccagacct 360  
 acccattcca agaccagatc ctgaacccat agctctcccc atgtaaaatg aagggtggagg 420  
 gcctttctct cttttatcgg atccatcact caatccaccc acaatttcaa cattcacaac 480  
 ggatactttt ttaggagcag ttattttgag atcaatcagt ccac 524

<210> 42184  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g05d1

<400> 42184

gcatcaaadc aaccatttaa attttgtgag gaaatcagag atgcattttg gaagtcacaa 60  
 acaagcttat ttacatata tgtaacgtta catagaccct acaggatata aggccatcgg 120  
 catagcaact tcctacacac gaaaaagttc aaaccttatt gcgctgcta catatgaaaa 180  
 accaccata tcagatgtaa gcacacatga gttttccaaa ggccatattt agaggccttc 240  
 aatgaagttg accccagtgt tcttcaacca aacattggct tggatgagtt gcgctaccgt 300  
 gaacttgctg gcctcaggtg cagttttgat gatatggtaa ccaggccaat tcaactctctt 360  
 gctgggaccg ggaccggcgc cattattcat gaactctcca tagtacaacg tgagcaaaaa 420  
 gtctttactt tgggcatccc attcagccca tcctgcaggg tcaat 465

<210> 42185

<211> 601  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036h02d1

<400> 42185

aacaaaactt ttttataaat taaatgcaaa tttaagacat ccctcctcag cagcaaagga 60  
aatggactaa aaccctatgg ctgcttgtga atttgaaaat ctcagacttt taccatcaaa 120  
acaaaaaaca gtactcatca aaaacaaaca gcaacgaaaa tgttaccgcc gatcaagaac 180  
ccagttttga aggctacggc tacatgaaat cggcggacac ttcaaaatat aactggtaaa 240  
acaaacacct aagactctgc aaagataaac tactgtaaag gaacaagttt ttttgaaacc 300  
acgttgatga tcacatgtgc tagcaaaatt gccaaaatgc aatcacttct tcttggcggc 360  
agcctttgtg accttggtc cggtggggtc tttcttctca acactcttga tgactccaac 420  
agctacggtc tgacgcatgt ccctcacagc aaaacgacca aggggaggat actcagagaa 480  
agtttcaacc accatgggct tgggttgaac catcttaacc ataccagcat caccattctt 540  
gaaaaatttg ggctccttct caagctcctt accagatcgc ctgtcaatct tgggtcaagat 600  
t 601

<210> 42186  
<211> 439  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036h03d1

<400> 42186

atagaatggg gtagtagcgg gcctcagcat acgaaacata acagatcaat gtcattgatc 60  
catttgtgtg ggagctagct cttgtggaat tctagagcag cataccacat tgtacagaaa 120  
ggtggggcca cataataaca aaacaaaaaa agtgtatctg agaacaaaac tagagcacta 180  
actttcagtt ttcaaacaaa cttaaccagt gttctgcatg ccagcagcaa tacccttcat 240  
agtgagaatg agtgtgtctt ccaaaccagg ggcattattga ctggctgggt tcaatttgac 300  
gggttcatca cctgatttgc tcgctctgct ccattccttt gatatgcggc ggcgcacctt 360  
cacattgcag tttggatcac ggatacgttt caatgtgtaa gcttggacaa tattcatggg 420

ggtaatgtga gcatgacga

439

<210> 42187  
<211> 552  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036h04d1

<400> 42187

accttagacg tgtataaagt atattgaatt gcatggcaag catcttgcta cttgattcac 60  
ctgtggcttt atattaactg ccacaaggca aaaaaaatc aagcactctg cagagtgtga 120  
agagatagta taccagaaga aatacacaag aacgaaggaa ctagattttc agatgacacc 180  
cattttcata ttttcattca accaaaatct agtatacaaa tgaacaatct ccgaaagcac 240  
agcttgcaaa agttgccaaa aacaatacta aatcattaga tattcagata cttacgtctg 300  
tactactcat atcgggcatc caattgaata ttaatagctt catatctata tgggtcaatta 360  
atgacccatt ctgttggtcc aaaggaagtt agcaacaata gaattgttcc actcaaacac 420  
acaatggaag ttagctgggt gcaacgcttt taatgccttg tctttttgaa gaaacaatgc 480  
ttcagcctga cctcagcct tattcacaaa tttctacat gctaggacac aaccgcctat 540  
aaaattcggt ga 552

<210> 42188  
<211> 563  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910036h05d1

<400> 42188

gatatgctcc atagaaggta gcaatgtaat tcattataga cttatagtaa tgatccattc 60  
atataaaaat gtagcagcaa acatcagaaa catgtcacca agtattcatt ggctgacttt 120  
catatttttt atatattaac acttcttcca gatctgggag taatcataaa tagctaacac 180  
aatcatgtct aaatgttatg gcagccatta atcacaatga taaaacagtt ttaacacgga 240  
gcaaatgaag aaacatctgc catactaaaa atagtttata gatttagctg atgtaaccct 300  
agagaagagg tgggtattgc ttgctgtgct gccggaccct tctctgtac tctgctgcat 360

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cctggatgaa tagatgatag cgttctgtct gggcaggatc agcaggattt ggctgatcaa 420  
gtaagtcttg gatgccaca agaatttgct taactgttat ggctggcttc caccactat 480  
cctcattaag tatagacaag caaacagtc cagaaggata aacattaggg cggaagaaac 540  
cttgtgggaa tctacacttt gga 563

<210> 42189  
<211> 543  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037a01d1

<400> 42189

gaaaatgaac agcccaaatt ttactattag tctattagca ttggtgctga aatatactaa 60  
aaagcaaaca tatattgaca gtaaaaatca gtatgtatat ataccttgta tacaatatgc 120  
ccaaggggaat tctctgctt cctctacctg ggtagagggg atggccaac taaaaagaaa 180  
cggagaggaa gggatacaga accaacatta ttgtcttcag acatcctaaa cactgataa 240  
gcccataatt ccacaaacta taccttgaag caattgctcc tctcactagt atgatgatat 300  
atgtacacat gtgcacctac tttatggaaa ggcattggagc aaaagaaagc ttgcagctat 360  
gtcagcatca gtagaatctg tacagccatg accagtaggt agattctccg acaggacca 420  
agttttaaact ctttactgta tcaatctaata gataaattag catatgtaga actgatttcc 480  
atcctccaga gatctgtcca gtaaaacatt cttcacacaa aataaacatg tagaatttga 540  
act 543

<210> 42190  
<211> 523  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037a02d1

<400> 42190

aatctaactt ttttaatttc ttatgatatt ataactgttg acatgaaatg agcaagattc 60  
gcaaatttta atctaaacag aatttacgtt cacttggtcc ctgtaagtta aattcagatc 120  
ttatcactcg ttaccacagt tccacatatt gtacaagacc ctaccaacat ttttgctgcc 180



gattatggct cttgggttat atcctaaact aaaccatctt ccattgctga atcaaccttg 240  
 ttttcaacat aagtgtcctc ttctagtttc taccatcctt tggctaacaa actggactct 300  
 ttctattcgg tattgttctt ctcagccaac caatctgcta tcccttcagc taatgtttat 360  
 ggaaataaag aacatgcgca ttcaaggaac cacatggaag attgacaaca gattgcagct 420  
 aatgaagcat gattaaactc attcaggctg caatgcaaaa actctgtttg aaccccataa 480  
 caccctcatg actcctaact tagtttcagc ctctgcaaat gtg 523

<210> 42191  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037a05d1

<400> 42191

acatggcaaa tgacagtaac ttcaattttt ttggtgaaca gtcaaacaag aagccttagg 60  
 ccataactga aattcccgaa agggtagatt ttggaaagca tcatcattca ggacaattag 120  
 tacacaacat ttgctactgg atgctacgaa tgtcttcact tcgaactaac agtaacaaga 180  
 ataggcaaag tggtttttct tggagacata atgggacaag aaactggagg cagaagcaga 240  
 tgaatctgga atattagccg gaaccagtat ctgggattta ccagagccaa ttctcttacc 300  
 agctacattt gcataaaata gacctgatat tgctggtacg aaaacattac tctcagaact 360  
 aatttaaaag gcaatcactt tctccaactc agaatcttca gaggtctagg aaacttttct 420  
 ttttatctgc gggaatgatg gattcctttg tatatgtttt agggaacaaa tcttt 475

<210> 42192  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037a10d1

<400> 42192

gacattcgga agagggggcac taatatcatt catgatggtg taacaggctg aatctagatc 60  
 aaatatataa taaaattgta actttgcctg tacaaaatgt ttggatggga tacactgtac 120  
 atgcacgttg tttccaggc ttgaagtaaa tgataagaat gagcgtaaca ttcttcagag 180

cattgccatc cacatatggc cttgtaccta cctagagtga gagatccttc acctcacaag 240  
 aaaaatgtat ccttgatgtc atacctctag ggggaactggc aaaaaactta tggcgaatgt 300  
 ggaactggag atgaacattg aaacaaactt ggtga 335

<210> 42193  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b01d1

<400> 42193

gaaaataact gatgaatatt tggctggaag cactatatcc aaaacaaatg gtagtccaac 60  
 tcacgtccag ttactcccag caaagctcaa atgagaaaat aaggcttcat aatatcgatt 120  
 aatttttctt tacaatcctt cgaggaaaca acaggccaag tgaactttga ttttcaagaa 180  
 atcgtaacat cagagcactc gtgctaagaa aaattatatt ttgatgaagc agtaccgggt 240  
 acaccgaaag gagccatcaa attagagcat gctaatacta agatttggtt aacacataaa 300  
 aatatcatcg aggagcacca taaacttggg ttgagtcgta ttggggataa gcagcaggct 360  
 ggggcgacaa tgttttgcca tacgcagccg gagcacttgc cgggacagct gcataaccag 420  
 ctggttgctg gttagactgt tcataaccag tttgagtggg agtgggttga acataacctg 480  
 gctgcccact tggttgtgct gtactatatg ct 512

<210> 42194  
 <211> 533  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b02d1

<400> 42194

gcaaacaaga acacttggtg aattttctaga aaaaggaatt tacatcaata ctcttctaaa 60  
 aatatattca cctatactac tacgaatgaa cccggaatgc ataaaaactat aacgccaac 120  
 caaaacaaaa cccaatcca aatcatcact tcttagcctt agccttagtc ttcttcgctg 180  
 gtgatttcac gctcttaggt ttcttcacga cactcttggg cttcttcacg gcctttacgg 240  
 gtgtcttctt cttagctggc ttagcagcga cttcttggc cgcgacctta gcgggcttag 300

acttgggctt ggcagtcgtg gccgcagctt tggccttggg cttggcaaca gcctttttct 360  
 taggagtagc agctttgggc ttggaagcgg gcttagtggc agctttgggt ggcttttttg 420  
 gagcagcggc cttaccgga gcaagcttag tcggtgcgag cttaaaggag tttttcacct 480  
 taacaagctt gccagcagca acagatttct tgagatgaac gaggacaagc ttc 533

<210> 42195  
 <211> 585  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b04d1

<400> 42195

gttgaaacaa aaatctcaaa aacttgagat ggggatttca tagtccacta aaatattggc 60  
 attacaaata aacaaaaacc caaacttggg aaactacacg ccaccacctt cagggatttc 120  
 taacatttca gatcaaatca aaggactaaa aagacagaaa acgctatagg gtccttgcca 180  
 aggccataat caattccctt ctaaattctt gaagaatctc gcattacaat ctagagaacg 240  
 aaaatacata gcttgaaaat atttcctctg ctccatcaag tattttgggg gaactgtgac 300  
 tgcagaatcg gagctttatg ttggacaaga caactactct atggaaaaag aggcaggtaa 360  
 tgaagtccca aattttgtgg aaatcccatt aacaaattaa ggttttgtaa agcttgacct 420  
 gaagctccct tctactagatt atcaataaca gatgtaatga ttgctcttcc aggaattcgg 480  
 gctggaaaaa cattgattaa acagcaatta ggccctttaa cgctgtggag ttgaggaatg 540  
 atttcatttt ccaacacaaa aacaaattct tcattttata tgaga 585

<210> 42196  
 <211> 479  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b05d1

<400> 42196

gaagtaaagg aatttagtta ttttaacaaat accacatatt ccctacaagc tcgaccatgc 60  
 cccacaaatg ggatggatgg tcttacaaaa tgtaaggtag cgattaacac gttttcatca 120  
 tcactttcac tagcactaga atcctccaca ttaatagctg ctactttgga gacactaatc 180

ttaaaagaag cagatcgaat cttatagggc aactttgcat tgatagcagc caccacacac 240  
 tcttacaccc ttttgtattc ctctctcttc aaatcactag gtggtaggaa gcaatccatg 300  
 gacaaccctt tgatgttaaa aaccactttt tcaatttgcc aaacctcttt tattattgtc 360  
 ggcgaatggc tctcagggtc ttcacccagc cttgacaatg tgaccaagt cttccccgtg 420  
 tgtgctatgt aaatgccatc cacaattcta taattttgat ttagggactt catgttggt 479

<210> 42197  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910037b06d1

<400> 42197  
 agaattaaga atgggtttcc cttcctgtaa tagttaatat ttaagacaa caaaaaagga 60  
 atggagcaaa gaaaggatta cagagagaac caaaagttct acctccttcc cttgttctcc 120  
 tctgcagtat atatatagtg atatctctctg ttgccgcgct ttacatttgc ttcaaactca 180  
 agttaagttc acagcctatc gtgttcgtgt gataagcttt acctctctct ctctctctct 240  
 ctctataagn atggnacagc tcaatgactt ggtgcagctt tgtcattgct atctagccgt 300  
 gtctctagag ctggttcaac ttgagttcca tcagcatgcc cattgcattc ttgcttttgc 360  
 acttttcctt ttggtgaagc acttgtacta ttatgattaa ttttccatt ttccttctcc 420  
 ggcattggtg gagtatccgt gcttgggttc acttcagcca aagtacttgc tggttaactgt 480  
 tgagatgaat taccctgacc 500

<210> 42198  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b08d1

<400> 42198  
 aaaacaactc acactaatca gtttcattct tgcaagcaca aaataactcaa gggggcacia 60  
 acctcacgga acttaacgct ttatgaagca caattactca actgtgttgt ctgcaaagaa 120  
 acacgccgtt aactatattt taaaacgcaa attgtgaccc ttacacacg gaaaaatctc 180

acaggtatag cgctccactg tggggacccg ttgacaatgc ccagaaactg gttgcttgca 240  
 cagcgaccca ttgaagggtgc cctcaaccac agacaatatg ctttctgtca atgaccatga 300  
 gacctttcaa acaggggtga agaacctggt tagaacctg ccttgccgct gatccccgc 360  
 tttcgccgcg ggccataaga tcactttacc ggtctgcgat gcgctggcaa tgggtggactt 420  
 aaggagccct aaattgaggg ccc 443

<210> 42199  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b10d1

<400> 42199

gaggaacaat ttgcaatgat ctaattgaat tcaaataaat tttggtaata aaagccaaag 60  
 ttgtgaaagt acaaaatcaa atatcacagc cattgcacta atcaagtttc atactcatac 120  
 accaattttt tttggaatga ttggtactct tccatagcat ctcttcaat cactttcacc 180  
 ttgtccttca acggtgtaat ctttggttaag aggacctctg tctttttggg gaaatcaaag 240  
 ccttttggat tgacataggt acgaggattt ggt 273

<210> 42200  
 <211> 485  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b11d1

<400> 42200

ctaaaatggt gccaattttg gtttgaaatt taatccacaa tttttcttac aaaagaatta 60  
 atccaacaag taaagaatcg acataaagtt acaaaatgaa aaggggaaaa aatggtcaac 120  
 ttacacattg aggagccata accggcttca attgtacctg attcaaattc aagtcctctt 180  
 ttccatctgt ccatagtaac ataatggggt ctagtggatg tagcatgggtg aaaaaaatat 240  
 gcgctttaa tctgtgcag agtcctctg actgtttcca atgattcata ggttacaagc 300  
 ttgtccacct ttgttttttg tgtaaataat tgggtgaatgt atctctctac aagctataga 360  
 gtcttatctt tttcttgtgt tttttttttt acctttgaga ttcaatcaac ctgttcacca 420

atcaagtcta taccaactaa aaggaatgat atgccctgga ataacaagaa gtagaagtgg 480  
attcc 485

<210> 42201  
<211> 492  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910037b12d1

<400> 42201

ggaacaactt ccagcataat tagatttttaa tcaaacataa cacaatcaaa gaacatcact 60  
agatttttaac caacattctt gtcagttgat atgatgcaa gtaactgggt ccatgatggt 120  
ttttaaatga agaacaggaa gagaatcctt tgttttattct aatcaaggat aggtacttgg 180  
ggctatagtt caatcaattt gctgtgatac ttccctcaat tttttagcct tacttatctt 240  
ggctaccact tccatgttta ttcagccaga gctgcggtgt ctctagggtca agcgacttca 300  
agatgttatg gtcacatgac ccgaatatat caacagtata aagcatttcg ctctagtagt 360  
attcattttt ctggccacag gaaaaagtgt cttcacccaa tccaaccaag ctgttaaggt 420  
cttctaactc ctcaaaaata gcatttggat ctgaacacat ngcaccattg gcattgttag 480  
actgatcagg at 492

<210> 42202  
<211> 532  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037c01d1

<400> 42202

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tagaaaattt tcagttttat gcacgtctct tgctctcttt actggcagtt ttgtagtcca 120  
cagggtagac gagcatctaa atggaagata gatgcaaatg atatgcaaaa gcagaaaata 180  
aaacttatga tcttttttta catgattatg ctattgctgt tgaccctttg ctaggacaaa 240  
gcagtacgag acttcgatat tctccaagag cccatattgg aaagatattt ctgtatgcag 300

002220-ETFE60

agtaactgat agtacaatgc ttgttgaaga ctcccgatgat ttctgttgg ggaaactccc 360  
cgttttccat ttgtgaattg atcaaacct tggctgcacg atgtaatggg gttggatctc 420  
tttggccctg tctgtcttca ataagtcca acatagccca tgcagggttt actacatgtg 480  
acttgtttcc ttccaaattt gtataaacct tttgttggca tgcaatatag ct 532

<210> 42203  
<211> 493  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037c05d1

<400> 42203

aatcgcaaaa ataatcacia agcctcattc acagcacggt ggtgtctttc aagaaaacaa 60  
agttacattc ctttccctgt tgcacagggt tgaccaata cactgaatta ctaaaattga 120  
cataaaagga aactcggaa aacaaaaagc aaaattccaa acgattattc tgggaagagt 180  
caaaccacia taatacttat caacaagaaa ttcggttggt gtaccataa taccgattcc 240  
tactcgact agtctgttta aacaacacca acttctattg atcagtagct gtagttcgaa 300  
acatggaggc tctctgaggc accatcagca agctgagagt tacccttgta gggtcccaga 360  
gttgccctctg agttagcctt ggctcttacc aaaagggtt gctgagcctt cttcacattc 420  
tcttcttttc cgcccatgc cttaaagggt ctctgttgaa gtgcccttcc aaaggagaaa 480  
gagagtgacc atg 493

<210> 42204  
<211> 518  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037c08d1

<400> 42204

ggaaaagaaa agtcgcataa catggttaca ttaatacata tgtaatacat cacaacaaca 60  
taatcactac attatgatgc cattaaggga gatcacaatt tcaaacatag agaaatacat 120  
tgagggtga tatagtacat cagatgcaat atggaaatgc ctacttattt aaggacccc 180  
taacaaataa agacttaagt aacctatttg gcaaaccaaa aaagggggcc ctcagggaag 240

atgtgacaca ctggagcagc tccaggcttg gttttaagca tttgtaaaaa cacatgggtg 300  
 ggatcccatt ctgatgggtc tttggggcat acagctgcag ctttaacttt ggttccatct 360  
 tctccctcca aaggcataaa atgcgcagta gtatttgata tctcatgaca cataaacaca 420  
 acatatgggt aatccatagg atgacaaaca atgaccttat cttgtgtaac aacttcactc 480  
 catttttcac cgagaatttt ggggacttac tttccttt 518

<210> 42205  
 <211> 515  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037c11d1

<400> 42205

ccaacaatcc atgcatcaag ttcgaattat aatttacata attattacaa gcggtgaata 60  
 atagataaag gtacagttaa aaatgcaaaa agccatgaag ctcgagacat caaacgggga 120  
 acaaagatga aacttgaagg gacaggacac acaagtgaat agaacacgaa gtcataatatt 180  
 tcaagttgaa gctcaagggg aggtttcaga ggctgggaca gccgcatatg aaccaatgaa 240  
 gacgtctcca taaataaagc cagccaaacc tcctccaatc aatggggcaa cccaatagat 300  
 ccagttagca gcgaagtctc cactgaccac agctgggccg aatgagcgag ctgggttcat 360  
 tgaaccgcca ctgaatgggc ctgctgctaa gatgttggca cccacaacga acccaatagc 420  
 aatgggtgca atgataccca atgaccctt ctttgggtct gctgcagttg catacacagt 480  
 gtaaaccaac ccaatgtgat tacaatctca aacac 515

<210> 42206  
 <211> 198  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037c12d1

<400> 42206

aagaacaaaa aaacatgtct aagtatagta tttcataatt ccgtgtcaaa ttacataaa 60  
 agtccttata catccagtag acgactcttt tgggtccacaa caaagcaaaa gctgacttgg 120  
 cttctttttt tttactttcc ctgcttgca agaagcttcc tcctttttct tccccccgt 180



taattgcaaa atcactca

198

<210> 42207  
<211> 552  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037d01d1

<400> 42207

ccagtaaaag ttatttaatt ctagccaaac aaatcttaac gaaaaaaaaat tcctacggga 60  
tagtattaac agcgaattat tccagggaat gttatccata agaccataac ccttaaactgt 120  
tgaagcaaac aaccatatga aataaagggt gaatgcgcta caatattatc acacgtcatt 180  
tatactcact caaccagtaa tccgcatatc aatgacaaac ctttggctga aatcacttcc 240  
gcatttgaga tagcaagcat tcacatcaca catacgaaga gtatcatgct cataacgata 300  
gcaaggaagg agagcaagtt tcaactttaa cgtctgatct tttttgtcgc attgataatg 360  
ttttgacctt tctccgggtg tttgaactcc aacaatttat caagttaaag agaagcttcg 420  
gagaaacagc tatectcaat acaggactca gatttgaggg caaaatgaac ctcatcgacg 480  
tcctcgtcaa gctggaggca gaagaggtgg ctgaaaacct ttttcatttt tgagagagcc 540  
atatctttaa tg 552

<210> 42208  
<211> 554  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037d02d1

<400> 42208

agcaacaaaa aatacactct tgaaagggga aacaaagtca acaaccatac atgattaaat 60  
gaaaaagaag aaaaaaactg ccctcgcta aacaagagca tcatcatttt gtacagtcgc 120  
gtcaacttat aaactaactc accattttac aatctttaca ccgtaaattg gcttgtatag 180  
tcataatatt tcatttaatt ttatctctct ctctctgca gcagggggca tcaggcgcat 240  
taaaacatct gaggcctcat ctctcgctta aattctttgt ataaacttaa aagctacaaa 300  
atgtacagtt tctgcagtaa aaccgacaac tttatttcca attggctaca caaccatct 360

002220.27.2560

tgagagatag gcaaacatga cctcttggat ttgggagggg cggaggaagc agcagcagct 420  
tacactagcc tcagttagct gtacaagatt atttttctaa gccacctaag caggttgagg 480  
aggagcctga gcagctattc tcctttctcc agcagcaaca agtttttcta cacgcgtgac 540  
gatgtgcttt ccat 554

<210> 42209  
<211> 453  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037d03d1

<400> 42209  
gggaacttcc aactgccggt gggttttaac ccggggagaa aaaatttttg ggggaatttct 60  
tctcaacggc cttaaaggt gcccttttca ggaaactttt ttacagggga acaatttgtc 120  
cccctttatt ggccccagaa aaattcgagg gggaataggg gccaaaaata acttggggcc 180  
taaaattcgg ggggaaaaat ttcttttccg ggaaagctga aagggttcac cccatccctg 240  
gcttttggac aaaaaaaact accctggcca agaaaggggc cgcattgggtt accatattta 300  
ggatttcccc ggccgggaaa ctggcccttt tggttaaaaa aggaaacctt tttgaaaaaa 360  
ccattccttg gaagggtttg ctgaacaatt tcacctttat gcccaacaat acaaaacttt 420  
ttggcgggaa aggggggtat ttaaataaat ttt 453

<210> 42210  
<211> 482  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037d04d1

<400> 42210  
gatcagcgaa aatggcaagg atatcagtct tcaattcatt cataaccttt ttgttttgc 60  
atcatacttt atatacactt gatcatcaca tgacctatta catcaattca cacataaacc 120  
cttcaaacc tcacctttgt tgagagttca aaagacactc tagttagcaa gaatcagaga 180  
aattattagg atgggtccatg accatcataa tcttcaacta tctctgtata acatatattt 240  
gagttttatt aattctttct ggtaaattga aaaaacttag acatatgtta catagagatt 300

gatggagtat cgagactata gatacttagt aatggtgtca gaccacctaa taatttttta 360  
 tagaaccgac ctaaggctgg gttccaactc gaaatcaatc agaagcttct caaaggagca 420  
 tttggctttc tctgactacc gctataccat gatagcaagt gtttggcatt gaatgaccgt 480  
 ga 482

<210> 42211  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d06d1

<400> 42211

gaatgaacaa agctagtatt atgcaacaaa gaaaggcaca gcaaagggaa tatacaaagg 60  
 ggtaagactg cttccaccta tgtatcacta actgacaaga catgaaaaga ccaagtgcct 120  
 ataaaaaaag gacagcatga gcagcccaaa ggctgatcta taatgccggg ataaaccagt 180  
 caagagaccc aacatcccta catgccgtac ctagaactct cttggggaag aggaccttgg 240  
 gctacattga tggcttgaga tctgaactga gcttacctcc atatacaagg tgctgacatg 300  
 gagaccatgc caagcatgcg acattatccc tcgccaggag atccacatag agcccatcct 360  
 gcagaactat catgcgaggt taaacaactg ttctgttgaa caaatcaacc ctttgtggtg 420  
 ggagactcac cgctattggt ggatctggga cattcactcc acccacctca at 472

<210> 42212  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d07d1

<400> 42212

ccccccaacc ccaaaaaaat aaaccaatg gggggggaaa aggggaaaaa aaaaatccag 60  
 ggggggttta ttaaccaga aaccggaaa aaaaggga aaaaaaatgg gggccgaaat 120  
 tcggggttac ccccgggggg gggggagaga aaagtttttt aaaaggggga caaaaataa 180  
 aataaggggg cggcgtttta aaacggggg aaggggaaa cccggggga acccaaaaa 240  
 aagggttggg agaaaaaacc cctttggcca gggggggaaa aaaaaaaag ggccccaccg 300

aacgcccttt caaaaaagtg cccaacctga agggggaagg ggaccccccc tgaagggggg 360  
 aaataagggg gggggggggg ggggggtccc caaaggggaa ccaataaatt gggagggcct 420  
 aaaggcccg 429

<210> 42213  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910037d09d1

<400> 42213

gattgcaaca gataataatt aattggatat cccattatac agtatccttt ccaataccat 60  
 atgacacaca aaaaaaagaa gcctggtctt tgttcataca acattatatac acagattgcc 120  
 aatcatttta taaactaggg cgattcttaa ttagcacaaa taaatgacat tcaaagccca 180  
 cctgcatgag aggaagaata ccacccatca acctataagg gatatacagg ctcacttagc 240  
 tggtcctgaa catcagaagt ccaaaggtg aggggtgtctc ttaaagctg cattatgagc 300  
 gtgctgtctt tgtaagattc ttctaccaag gtgtgcagct cagcaattgc ttcctcaaaa 360  
 acctgtttag acatggcaca cgctttatca gactggttga ggatttcata gtanaagacg 420  
 gagaagttga gagcaagacc caatctg 447

<210> 42214  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d12d1

<400> 42214

gcgaccttgt tcgagacttt ttattttatt ttttttcggg gtaggacaac actttctaga 60  
 tcattagaat atgggttcca ttgttctgga acttattaag atgacctgc cgcacatctg 120  
 ggtaccaatt gtctcgtggg acagaaaagg cggagatgcc accctcactt tgataagccc 180  
 tgctttcgtg atttttaaga gccagaacat ccacgttctg gaacaacttt agcattttgt 240  
 tgtgaggcgc accgacaact ttgccttgcg cttcactgtg agcccattgc tggttttttg 300  
 agaaaagaac cattacgac 319

<210> 42215  
 <211> 570  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e01d1

<400> 42215

gagaatcaaa cactgtgttt tccattcatt ctaaactctc tggtagtctt tgaaatacca 60  
 tttgagagag ataagataaa cacaccatca tccagaaata cagaaagaag caaatgatag 120  
 aaagacgcga gagtggaaat taaaaagatc taatgctacc tacacatcca tattacttat 180  
 ccaccacccc aaagcaacca aacaaacacg agaaaaaact ctagcataca gattaacatc 240  
 tataaactat agattaagga gttctatata tctaataact cgaaaagaaa aatttgaaca 300  
 gtgaacaaaa aggaggaaag tagttattgc atgcggttaa ttaatcaagg atatgctcca 360  
 ttggtagtgg gaaggtcaga ccaggaaagg gttggattcc agcacccgaa ttcactccca 420  
 gaaactgaag atgactccaa aatgttggac aaagaagagg atgaagaagc catgttgctt 480  
 agaaacactg gtgagttatc acttcccca taattaactg atgacgatga cctgagcttg 540  
 tgtaaagttc ttgaactcca ctaacttgat 570

<210> 42216  
 <211> 541  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e02d1

<400> 42216

atctcctacc ctgtggacct cattatagat ttaatttcc aaagatacag aattcaatac 60  
 acaatgaaaa aacaattttc tataagatta ttgtaaagaa ctttagttgc ctgtgggtgt 120  
 tcttccaagg ctaacagcaa ttaatcatgg ttgtaatcat actctacaaa gtcagtatat 180  
 aatagagtgc catcatctgc ttggtgaagt agggaaaaac attcatcaca gaaataacaa 240  
 gggttttctg gtgtccattt gtcattccacc gtgacctttg tagctctgaa tattttgcaa 300  
 acattgcatt tctgaaaacg caacttcaac tgaaacgtga ttattggata aacagctcga 360  
 ttatgaacgt cttcagggtg aattaacctc atatctcgta tcactaaggt atgggtgcag 420

tcaccctgat gacaatagag gtatccagca ccaagttgaa agcttaagtc acaaaaacgt 480  
 atcttatgca tctcaatgga tctaaaatga ggcaattgtg atgcagatat ctcacccatg 540  
 a 541

<210> 42217  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e05d1

<400> 42217

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 aacatgaagg acatgttcca caactttgtt caccaccac ctttttttc ttatgcccc 120  
 atcctatctt cataactccc cataaggtat aacaaaataa agtttagact aatcactaag 180  
 tctgctcagg tgtgacggtg atggacacac tcagcaggcg tgactgggaa cctagcagtg 240  
 tcagtgaat agtcatagaa aatgtgcctt gccctaacc acataagctg gtggctctgg 300  
 tgcaagttga gttaagccaa attaggtc tccaaccaata cttattcccc tctgcttg 360  
 tgcacttctt agcattatcc attgcagcca ctgtcacggg acactcacac gcatttatct 420  
 ggaagtactt gtatgtggca atgaaaggtg cgtggctcca atctgtttta cagcaccacc 480  
 ct 482

<210> 42218  
 <211> 571  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e08d1

<400> 42218

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 atacttgagt caaactccaa atttgcaatc tagacgcgca ctaaaacggt atgattttat 120  
 tcgggttgat tgaaacagaa aacggcacia agttgtggac ataatggaat gattaagcac 180  
 tgatgagaat cagaacttct taatgaagtc gtagatgtga ttgctcacgt cctctgctgc 240  
 ttcttggttg ttgaagtgtg caacccttc ctgcaccacc actttctcta aagttggcac 300

atcttttcttg aaaccaccgg tgtggatata ctcccttcac cccggagaag tgtacaccaa 360  
 gtcaacgccca cctgtgatga acttaaccgg tacattttacg atgcctgctc cagtccatgg 420  
 tgctggcagt tcccaattta aattgagggt tctgtagtag ttcaagcctc cagagaagcc 480  
 agtctttgtg aatttagtaa cataataatc aagatcttct tgagagatcc aagagggcaa 540  
 ggtgtctgga gtccctggat taaatccagt t 571

<210> 42219  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e11d1

<400> 42219

aaaggttaac aaacagcaga attgaataga tgtcaaaacta atataaaaaca ccgtctgtta 60  
 caaagctttt catattttatg gcggaaatgc tgttcaaaat agaaccctaaa gagttcaaca 120  
 taaactatga aagaaacaaa atttgagaac aaataacacc ctaaaaatct tctcaagtag 180  
 tcttatccgc tttagcagca gtggcagcag cttgccccct aagacgacca gtccctctag 240  
 cagcaatgag accaacccttc tggccaggag gagcatcacg cctaacgggt ctcgcatgcc 300  
 caatatgctg atgattacct cctccgtgag gatgctcaac tgggttcac cggcacacctt 360  
 gcaccttagg ccatgaatga ctcttcactc tgaacttatg gtaagcatta ccagccttca 420  
 gaagaggctt gtcaattctc ccttcacctg caacctggcc aatgatcgcc ctgcacccac 480  
 ttggcacaat ctttttctg 498

<210> 42220  
 <211> 499  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f04d1

<400> 42220

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 aaaaagacaa aagagaaaat gttctcttaa gcaagaacag cagtgactac tggaatcccc 120  
 catgccatgc cattgcttat tgctacatag ccattacaca ctccatata tgcacatgga 180

taacatacga ccaacttaac tcacaacaag gttgccataa ggcaaaaata tatggtaagc 240  
 ctaacatgct ccaagtctct tgccatccac aagtcgcttc cagtacaaag caatctcttt 300  
 ctgagtctct attgcactct taaccttctc actagtctca ctagagatgg ctgtgatatg 360  
 agcaactttg gtagtgaggg ggctaggaag tgtgtccaag agcttcacaa ccttctctat 420  
 gtcagcagaa agtctctcgg ccaagccacg gctgaaatcc tccctgatca ccaccggag 480  
 gaccgctatg tgttgcgcg 499

<210> 42221  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f05d1

<400> 42221  
 aggcccccaa aaatgagaaa tttgtttcca aaaaaaagg agcaccgatt ttttgtcaaa 60  
 gggggggacg aaatgggtcta ggtgaaaaaa ggacaataaa aacgccaaca ttgggaaggg 120  
 atagacagac cctttattaa agggggggga cttaacccaa ggggttgggg aaaggggggg 180  
 gggaaaacac ctggggggata aagaagggca aaaaaacaat gttaaagtct aaaggggaaa 240  
 cagtttcaag ttgggggggg ggccgacaac ccca 274

<210> 42222  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f06d1

<400> 42222  
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 gagtgcataa gcacagttgt tttcaagttg taacagattc ctataagatg gtgaaataaa 120  
 gagcatgtgc catctactcc accactggtg tatttctctg acacatttaa actcagattc 180  
 aaacgttagt tttgcttccc agtcaacct ttatacagaa cttggcacc tcaaattatt 240  
 ccactgcata aaactatgat catcttgctc ctctttgcct cttctcttcc aatgcagctg 300  
 cctcatttaa catatcagcc gcacccctgt gcatgtgcag ttttgcaaga gcaactgatt 360



gtatgtagaa agccgtgggc cagactggat aaacacactg tgcttgcatt gcatctgcga 420  
 gagcaggatc tggttgatca cataacagat agcacagact ggccttgca aaacagttgg 480  
 agagaacatt gttccaacat caataaaact gg 512

<210> 42223  
 <211> 505  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910037f07d1  
 <400> 42223

gctcgttggg ggcacaaacc caacaaacat actgtgcatt aatctgattc tctaaagtca 60  
 gcaatacaaa gaaaataagt gaagaaaatt catttgcata cagaaaatac aaaggctata 120  
 aatccaaata cgtaaaagtt agaataccaa ggaataaact acaaaaacat aaataactca 180  
 aaactattga aaattgtgtc cttgcgggtg atcacttccc tcccgcatta tcagcatcag 240  
 ctgcaggatc tgaactggca ctacctgctt ccgtcttggg tgtttcatca atcctcctac 300  
 tagaatcatc gtctaattca tcatccatca tgtcatcctc tcccacattt atatcttcca 360  
 catcatcatc gtcgncatta ttgttttctg cagggatctt tcttttcttg ggaccatgct 420  
 ccagcctatg agtatccaac tctttgtcca ttgtctcctg gtaattctgg ncattgataa 480  
 ctttccttgc gttccttgca ttctg 505

<210> 42224  
 <211> 501  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910037f08d1  
 <400> 42224

gatctgaaaa taaatcacat attctttcat atatcttcat atatatggac ataatagaaa 60  
 aacagaaaaa aaaaagaaaa agaaaaagag agcagcaaac aagaggatcat ccctaaacaa 120  
 tacatcaatc ttaattcgaa tcccctattt tcttttctt aagactattt caaacaacaa 180  
 agtgaaagtc ttatgacaat tcttttctt tgtcagcaat cttcactaat tgatcataat 240

tatatttctca atagaaaaat actaagttca ggtcccccac taccatcagg attcaacatg 300  
 taaaacgcct ccgagtcacg gctccccacg actcgctcaa acctcgccct catgtacatc 360  
 aactcaccct ccgaccaccc gccggcgggcg gcggaggccg cctttccgtc ctccaggaga 420  
 gggatgaccc cggcaccgac ggacacgctc tgaatggtgc tcagcacgtg ccagtcgagg 480  
 tccccgcacg tacgggacac g 501

<210> 42225  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g02d1

<400> 42225  
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 tcctcactgg aactgagcgc attatgaaac acaaccactc aaccgaaaaa cctgccaaaga 120  
 aaccacacgt tcacaatatt ttaaaacgaa atttgtgacc tttgtcaaaa ggagaggtga 180  
 aacagtataa aggggtccacc gtggaggcgc cgccgacaaa gaccacaaac tcgtatcctt 240  
 tacagggaca catagatggg gccccctaacc gcatacaaga aaggttct 288

<210> 42226  
 <211> 499  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g03d1

<400> 42226  
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 ttttggggcc ccaaaaaaac tcgagggggc tctaaaagg gactctagg gaaacccaaa 120  
 aaagggccca aaaaaaaaaa aaaggggggt tccctaaccg cacggggggg ccatttccca 180  
 aaaaaagttt tctaaaaaaa ctttacattg ccttggggga aaacaaacgg gggggaagcc 240  
 ctttgaaagg gaaaaaacct tttttttaag ggggggtggg aaaccagccc ctaaaacggg 300  
 ttaggggggg gaaaaaaa aaacggccc gggggggggc ccccttttc taacacggcg 360  
 aaaaatttcc aaagggggat ttaccaagc ggatcggttc cccctcaaa aaaaaagtga 420

acaacccaaa aaaggatccc ctgggggggg ggacaacccc ccaacatttt tttgcggggg 480  
gggtaccaaa ccaattttt 499

<210> 42227  
<211> 502  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037g04d1

<400> 42227

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tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180  
aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240  
aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgctttca aggaaatggc 300  
aaacagggtt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360  
cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatca ccagccacca 420  
atggaaccat gaaagctgtt gtttacggac ttcatggcag taaaatactg cagttctgaa 480  
atttagccta tgacacatca ct 502

<210> 42228  
<211> 437  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037g05d1

<400> 42228

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atcagcacca gagcaaaagg ctttggtaac ccatttgaga attgagcgct ttcaagcctt 120  
aaatacaact acatttccca gcacttgtat gcctcageta gtaataagta actacaccaa 180  
tatagccgaa attccttcca acacaacca ggtatggaaa actatgtatt taactaagcc 240  
atattcatag tgagagttga taaaaggca ctcatcttct ctttgaagac ttgatgacag 300  
taactccttt ggatgatcaa caagatcctt gaaagaatat tttctaggcc gggcaacctt 360

09531113-032200

gttgtagga tcaaacaaaa ggacttctta aaatgcgttc agagcagacg tgaagttttt 420  
tttactgtca aaggcat 437

<210> 42229  
<211> 496  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037g06d1

<400> 42229

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agctgaaata ggccgacaat agagaattga tcagaagaag gaaagaaatt cagaaacaac 120  
aatgtagtaa gtgatagagg gaatgaatct tatttctttt tagtgggata agaagccatc 180  
ttgtagatac cgcagattcc ctcggtttt ccaatgatcc tcctcattct tatgtatcct 240  
ttctctcccc acttagatcc ccatgaattt ttcactatga tataatccac acctttcgca 300  
gttccgtatc caacagctgc cacaccatga tctaaggcac ttccgcaatg cccgtcgaaa 360  
acacccccac tgtaaaattg gaaatctctg cctgaagcct ctatggccac actgaggggt 420  
tggtttgcaa gtgccttcaa taggctctga tcattgattt gtggcacatt atggcacccc 480  
gctaagggtga caactt 496

<210> 42230  
<211> 415  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037g07d1

<400> 42230

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attaccatgc aaacagacat taattggttc atgtacaaat gaagcccgtt caaaaaaaga 120  
accctccttt gccagtcaa agcagcaaag gttttatcca atttccaaaa ccaaattaag 180  
aagacaggaa attactggta gcttttaatg aaatagccca aaccagact tgaaacaaaa 240  
ttattaagca aatgaagaaa agaagaacc cgtatgaaag aattaagtcc ctgccccac 300  
ccacaaatgt tgctgtgggt ggaatgatga atttaacagt aacaggaaca tccttattta 360

agttactctg caatgggttt gggcttggcc ctgtatagga gtttcttctt cttgg 415

<210> 42231  
<211> 522  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037g08d1

<400> 42231

aaaccaata ctacatgacg atttaaata catacactag aaaattgatg atacaactat 60  
tcacaatgct gacgattttt acagaaattt aggcttccta caagaagatt taccgactca 120  
ccccgcgaaa atttaaaaga caccatagat tgtatctcgt ttaggaacaa ggcctgagcc 180  
aaatacaact atatcccagt attgggattg ttcccagcta gaataagaga aatttctaac 240  
cctcggctaa aagcctgggt aaacattagg cgagtttgga atgttgatac aaatgggaac 300  
cacaaaaaga aggcaatggg tacaagatg agcattccca taccagcatc atagaggcga 360  
gcaattgatc gaacggattt tcatagaccg agcctcttca tgaccgggtt tcaggccgca 420  
gcaattgaca gaattcccca accagtagga atgaaagcca acatagaagc aaatatgtcc 480  
ggcaaagaca gaatggtcaa tataactgct acaactaaac ca 522

<210> 42232  
<211> 527  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910037h03d1

<400> 42232

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atgcacatta ttttctcgaa ttaagatcat catcacaaat taatgtcccc cacaacttat 120  
tcatgccaga ttttagaaca gcaattcata tcacagcttt gaaggcgact gataccagcc 180  
ccacggttca tcagatatgt acttggtcac ttgcttcaca cttaaatagt tctcgagtcc 240  
ccattctcct agttcacgac caaaaccact acgtttaacg cctccccatg gagcttgaat 300  
gaagcttggt tgagcacaat ttatccatac aattccagcc tgaatagcct ttgatatgcg 360  
ctcgcatctt tctagatctt ttgacattac agcagaccct aagccgtagt gtgtgtcatt 420

tgctagttca atagcttctt cttcgggtact gaatgttttc acacatagca caggtccaaa 480  
 aactttctttc tccaaatttg catcgaggta gtcacatcag ttatgat 527

<210> 42233  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037h05d1

<400> 42233

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 tttattacat gctgcaataa tctaaattga attgaatagt tactggtggc aattagcgtc 120  
 cccttgccaa ctccacacaa tatccctgag cgaagggtctg acttggccct cacagaaatt 180  
 aaggtattca agcgtgtctc cggcgggactt ggagaactcg accaccgcca cctccggcgc 240  
 caccttgaat acctccaccg tcatggccag cttcccttcc cttcccttccg tcgccccctg 300  
 catcttcacc atgaactcct tcttccccgt caccctaaag ttcagcttct tggccacccc 360  
 ctccagcttc gccatcaccg tcgaagccga aaacttggaa atgaacattg ac 412

<210> 42234  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910037h06d1

<400> 42234

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 gcagaattgg tggaagcgga gagagacaca cacaggaaga gaccgcgcat gccctggata 180  
 tgacccttat aattagggca tcgctcgaca gacttccaac gtatagccat ggaatgaccc 240  
 acttacgccg tttcacaatc gaggggcatg accacttccc atgcgaaggg agggcctact 300  
 gttacagagt gttgcctacc atgcaatctt 330

<210> 42235  
 <211> 474  
 <212> DNA

09531113.032200

<213> Glycine max

<223> Clone ID: jC-gmro02910037h09d1

<400> 42235

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taatgcatca gaacaccttg gacttgtaac tttgacataa aataacagaa caattaaccg 180  
ggaaaataaa gcatggaact tttattgggtt tatcgggttg ggaaggaggc gacgaacca 240  
ggatttgacc ttcaccagca gtaaccaaca tttactcacc acaattctct ttattcccaa 300  
ggcttactgc tttcataatt ggtgggtgctt tgtggccaca attccacatt tcattccaac 360  
ttaaatttgg aaggtcaagt ttaatcaggc caaaaaagct gaagattctc cctactcaga 420  
actttcaaca ccaatcgata aacattcagg tcatagcttg ttatatcctt aaac 474

<210> 42236

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910037h12d1

<400> 42236

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cacacaaatg gggacaccgc cgatgaccat tttcacatct tgaaaagggc acaatgttca 180  
taagtgtaaa agacatctga gggactctcc aggggtcata agatcgaagg cctggtttat 240  
ctccttgaca ggaagctcgt gagtgataga aatcatataa cttcaccact ccattcatgc 300  
attctttggc aaaatgtggc aattgagtct tacctcagat gcctccgaaa gttgaaccta 360  
ctattctgcg accatggagc aacgccattg ggtggatcgg aagcattttt cgagagggat 420  
gaatccgtac tagcacagtc aatccccaac cctcatgaac agacaagaaa gcatgcctta 480  
ctacgttcaa atttgagca cattgcataa tatagtgcac gccccacca 530

<210> 42237

<211> 445

<212> DNA

002250"ETTES0

<213> Glycine max

<223> Clone ID: jC-gmro02910038a02d1

<400> 42237

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acaaccaaaa aaaaaagcac actttttttt tccttccatt tctctactct tatcgaaagc 120  
ttactcacia acctaaaatc acggacatta ttataaaac tcaggcgcca caaactccaa 180  
ggagacaaag aaaaagccgg ttcttccatt tctttatcca gctctttatc ctcagatttg 240  
ctcaacagga tggggcacag actcagccaa ttggcggtag ttgaaagcat agaacatctc 300  
cagataacgg cggatctcac ggcgggcaag gttacacaca tgcttccaga agccattgac 360  
accggtgaga gtgagaagcc tcattggagga aattcgccat gcgtacttca ttttaatacg 420  
ctggagacca tcctttgaga tcttg 445

<210> 42238

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038c01d1

<400> 42238

ccttgaaagc aagataatca tccaaagcaa aattcctcat aattaagggg aggcagggat 60  
atacaaacia gctttaaaac atcccctccc ggatcacatc gcactagtgt tctagtatac 120  
tacatgagta tacaatgggt cttctaatta ataggattaa tacttaatac aatctgttaa 180  
aactttgaag atgaggaaac caattatata aacttgaagc ttctttctcaa acggctttct 240  
tcaggcagca agaaatataa gaaattggaa ggaggatttt tctttctttg ggtgaggggg 300  
acacattaac agaactaggt ggaaggaacc aactattaac aacctgaaac agactacata 360  
cacttctaca ggctgagtac ataatattha cactgaggcta cactatgacg cagacatggc 420  
aactgctgt cttgcatgag agggaatcag tttcaccagc atgcctggag gcactccttt 480  
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<210> 42239

<211> 403

<212> DNA



<213> Glycine max

<223> Clone ID: jC-gmro02910038d02d1

<400> 42239

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cacaacataa atataccagt ataccatgca ataatcatgg acagagtaga gttccaattc 120
aaatcccaaa ttgagaaatc gaaacgctat ccaataagta tgatcttcta cccatgcgag 180
aatatgttgg tatattttga aacatatttt cttattgttt gaagtttttg aggcttgtgt 240
aaactctcct ttaaaaggca tatctagctg tacatagggtg acatgccaga cttgtaacat 300
tttccttagc ttacgccttt gccaaagcgc atatgtacaa agaattgtga gttaatttat 360
caacaactgt gctaactgca ccataaattc attttcatga aag 403

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<210> 42240

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038d12d1

<400> 42240

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agagacataa gtcatccacc caccaccca ccaagccaac cccactttta actgctaccg 120
gatttcaatt atacatagca tgggatgacg gccacaagcg tggataaaaa gaaaccaaac 180
ctggttatat acttggggga agagggcgac ccatctgaca tataagacat gggggggggc 240
aggcaaaata tggaggtgca tgtatatgac cctggtgtta gtgttgagtc agcaaactaa 300
attgcacaat cactggcgca catcacacat gagtggggcc tcttgcaact caaaagcaga 360
agataacaat gtaccatgac gcgacccatg caccacct 398

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<210> 42241

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038e11d1

<400> 42241

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 ttatgcctgt gatgcacaca acttatgcc a tgatgattct tacgcgagt acagcagctt 180  
 ctgacttatt tgattgatca ttccgaccca actaggggca atactcatta tactatgaca 240  
 cttatcttta aactttgcag cgtgacaggg tggcctggac cagcgaccat attcttatgg 300  
 actatgtgcc cccactgggt aggaccaca ggcattgcaca gcacagatgt gcttctccat 360  
 ttccatgttg aagttagcat tgtggccccc ac 392

<210> 42242  
 <211> 523  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910038f11a1  
 <400> 42242

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt 60  
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 acggcaagga ctaccaggag cggcgcccg cgccgctggt tgacccgacg gagtttacgt 180  
 catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240  
 tcactgtctt aaccgttatg ggagtcgccg gggctaagtc taagtgtagt accgttggga 300  
 ttcaaggaat cgcttgggcc ttcggtggca tgatcttcgc cctcgtttac tgcaccgtg 360  
 gcatctcagg gggacacata aaccggcg tgacatttgn gctgtttttg gcgaggaagt 420  
 tgtcgttgcc cagggcgatn ttcacatcgt gatgcaatgc ttngtgctat ntgtggcctg 480  
 gcgtggtgaa ggtttcgagg tgaacaaaat acgtgcgttg aat 523

<210> 42243  
 <211> 539  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039a02d1  
 <400> 42243

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aactggacag acacacatag tagtacaatg taaatcatca aacaataggt ccaaccacca 120  
 ggaatattaa aggtacaatt caagtaataa cctcatactc ctcaagttct ttggctttca 180  
 gcttttccct cacccttaag agaagtgtgg tcttccaaga atccagaggg gtcatactat 240  
 caaattccct gacaacatca gtaaactttg caacatcttc ttcacatcaatt gcagcagcaa 300  
 tgtccgcaa caatctatat tcacgtgttc ctgaaaatgt tggatccagt tcctgatatc 360  
 gttctaattgc attgggtata gcaacaacct gctctttaca gagttggcag atgccagcat 420  
 taagaagggtg tcctttaact ccatacttca gcaaattatt gttgagggat tggcgagcta 480  
 tctcttcata aatgtcaatc gacttctgat attgaactag ctgagcagca aactgggca 539

<210> 42244  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039a04d1

<400> 42244

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 taaatttgac ggagctgtcc atgaccataa gacaacagat tggttgttct aacttatatg 180  
 acatattcac tgttgcattg tacattcgaa ctcatatagg acaacttgta tatcactcag 240  
 gtcacatcct cttcaacagg aaactcaaaa tgatgccaat gatgccaaaca acaactacct 300  
 tgatgaatgg tacaccgtcg cggattctgc cggcatcaca ccttaaaagc tccagttatt 360  
 gaatgaagta tgaatgcatt gcgtcaacag taaaactcct ctctcagtt act 413

<210> 42245  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039a05d1

<400> 42245

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 tgcggtccta aagcatttta ggaagagctt atactaacgt tggggcacgg tcacgaaaac 120

caaactccga acattctcaa tggaatcaac ttatacagat acccttcatg ccgcgtcttc 180  
 tgtaagaagc tagaaaccac gaatgagaaa gtggttataa ttttcaatgg ccatgatact 240  
 acggctggta ttgataaaga agcagcctat gctgagaaga accccaaca attctgtcta 300  
 taactaccaa gggtcatttc cttggtgaag aaatatatta aaccacagag ataatgtttt 360  
 ggagtatctt gtcacccatt gtagatggca catacaccag tccgaaccaa agactggacc 420  
 ctgctttcca tgcaaaaatg tccactgatg accatg 456

<210> 42246  
 <211> 561  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039a06d1  
 <400> 42246

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 cttcccatga tacaaatttg tccacttgtc tatgattgct atggctgata caagtaccta 180  
 ttttttgacc acacattcca aatttgtagg agcaatacat gacaataaga caacaaattg 240  
 gtttttccac atcatcgac atatttcttg ttgctttcta caattgatct cattttggag 300  
 aacttgcca tcaactcaggt cacgttctct ttaacaggaa acccaagatg agtccaatga 360  
 tgccaacaag aactacgtaa atgaatggta caccgccgcg gcttctgccg gcatcacgcc 420  
 ttaaaagctt cagttcttgc tgaagtcttc tgttttgctc aacaatagaa ttcctctcct 480  
 cagttacctt ggaaataaga gctcttgctt tacaggaagc attctgatgt tcaccccgct 540  
 aattgaaagc tttttgaagc c 561

<210> 42247  
 <211> 478  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039a09d1  
 <400> 42247

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cccaaaatga taattaaatt tacttaaaag aaaacttttag gatcattaac catccaacca 120  
aagatcaacg gccaccgatt caacaggaaa gaaaacacaa aggagggaaa accttacaca 180  
gaaaaagatt cggagaaaat tcaataatac acattttttt ttttttatta tttcattttt 240  
cccctttaga aaacagggct gggaagctgt tcgggggtgg ggttgatgaa aacaaccttg 300  
taaataagcc cagcaattcc acctccgatg agaggggcgg cccaaaaaat ccagggggtg 360  
gtccaggtcc agttaacgac agcaggccca aatgtttaca gagggtttat ggttgctccg 420  
gaaaaggccc cacccaacaa aatgttagcg ccaacaatga aaccaatggc gatgggag 478

<210> 42248  
<211> 580  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910039a10d1

<400> 42248

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taacatatca aagtggcgtg cggaaaacac acaggctcca tgaatatgtc ccgagagcac 180  
gatggaggag gaggagtcaa acacaacaca aatacaaat aaaagataat cagtactact 240  
aggcagaacc gaatttaaga gaattcgagc caaatatctt agctaaatgg tacaagagct 300  
gaaagacaag gtaatttctt cagccctgaa cctccaccac atttactcct cctcttcagc 360  
ctcctccagc caattaacaa agggttccag cgccttcaca aaggtttgcc tgccttgga 420  
gtttgttcct ttctggaacc aatgaagaat ggtatcttca gccagcacat cctggtcata 480  
aagagatcta ataatctcag ggaacagctt catcagttta gcactctcgt agcattgcat 540  
ctgtactttg tacatcagct ccagctcaag tttcccgtg 580

<210> 42249  
<211> 475  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910039a12d1

<400> 42249

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 aatggtgacc actagctccc cagcatcatg cacaatgcct aaagaatcaa ttagtcaatg 180  
 taatcttact aaggttgaac gtgtacatat agacccaaag aaaacacaac aagatacggt 240  
 tttttatcat ccctacaca aatacacaaa caccttgggc tcaactgact tgatcgtcag 300  
 agtccttttt gaaagtacct tcccactact ggagtaggag atcaaagatt ttaccaagac 360  
 taggaacttg atcacaaattc attggaactt aaccacaact tgccagaata gaatctaaga 420  
 aactctttat gctttttatc aaacaaaaa ctatcttttt aaatttgaac aagtc 475

<210> 42250  
 <211> 525  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039b02d1  
 <400> 42250

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 tgactattag gactcagggt ggctattgat cacatttgca tttgagcaga taacatgaga 180  
 cagcgttgag aggaagcacc gtgtgagaac tgaataaacg agctgtatgt agggcttcgt 240  
 ttcatgtttt tgtttgacc aattatttgt tctaagtctt tcttgtgaag cagtgtctac 300  
 cacaatgcaa ggtcgtcttg catttactgg gctagtcact gcccacatgcc tgatctgtct 360  
 cttttggtgt tctctatta gtcttaggga tatcactttt gatcacatta ttactatttt 420  
 gatttgtagg gtagtcccca ggctcctcat tatgtgaagg ccacagccag ttttctgaac 480  
 tgctgaattc atctacggat gcagaatcaa ttttggttaac tgcac 525

<210> 42251  
 <211> 540  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039b03d1  
 <400> 42251

gctaaagaat tgatcacatg taccacagca gataacaata cacttcccat gatacaaatt 60  
 tgtccacttg tctatgattg ctatggctga tacaagtacc tattttttga ccacacattc 120  
 caaatttgta ggagcaatac atgacaataa gacaacaaat tggtttttcc acatcatcgc 180  
 acatatttct tgtggctttc tacaattgat ctcatTTtgg agaacttggc catcactcag 240  
 gtcacgttct cttcaacagg aaacccaaga tgagtccaat gatgccaaaca agaactacgt 300  
 aaatgaatgg tacaccgccg cggcttttgc cggcattacg cctcaaaagc tacagttctt 360  
 gctgaagttt tctgttttgc tcaacaatag aattcctctc gtcagttacc ttggaaataa 420  
 gagctcttgc ctcaaaggaa gcacccctgat gttcaccocg ctcatTgaaa gcttTgtgaag 480  
 cccctgtgaa ttccgcagca cttgaatgcc cattctcaga tacagatgca cgaggggatg 540

<210> 42252  
 <211> 552  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039b07d1  
 <400> 42252

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 cacaaaccga acttattttc aaggagcatt attacagacc cattaaacat caaagttctt 120  
 caaatgtttt gggaacacat ccaacattac acaacgagct taaaaccccc cacggagacg 180  
 gaggacaagg tgaagggttg attccttctg gatgttTtag tcagcgaggg tccttccatc 240  
 ctcgagctgc ttgccagcaa aaatcagcct ctgctggtcc ggtgggatgc cttccttTgc 300  
 ctgaatcttg gccttcacat tgtcaatggT gtcagagctc tccacctcga gggtaatagt 360  
 cttacccgta agagtcttca cgaaaatctg cataccacca cgaagacgca acaccaagtg 420  
 gagagttgac tccttctgga tgttTtagtc agcaagggtg cgtccgtcct cgagctgttt 480  
 cccggcgaag atcagcctct gctggTctgg ggggattccc tccttTgtccc tgatcttaac 540  
 cttgacgttg tc 552

<210> 42253  
 <211> 536  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b08d1

<400> 42253

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gaagttacca aaccatcatt tcctattttg tttttattag tttacaacgg gtatacctgt   60
catcaaacta tcaccaatac actgaaatca taatcataat gtaactgata acaccaccag  120
cattgacaaa ataaaatggg taaaaaaaaa aataaaacaa aataaatcac acaaattctg  180
taaaaggctt tcttcccacc acccttgcg gcaaagacac cgttgaatcc acactcacgt  240
ttcctataga ttcaagtgc tgaaatttat ctgggatctt ttgatccttg tttgagaacc  300
ctttagacca cttgaaagac ccaattcctt gtgacaaagg gaatgagagt ctctctttg  360
aatcagtact agttggagtt ccaccaagcc tttctcttgg attactacta gcacgtactt  420
tggccctggc ggaaaggggt ggagccatgt agttaggcac tgaaaatggg gggcagcttg  480
tgaggctgtc atcatccttc aatggcacat caaagggtga attggacccc acaccc   536
```

<210> 42254

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039b09d1

<400> 42254

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aggaggcaaa acttttatta ttaaacagag tacaagagag atactctaata cctaatacaa   60
gatacttact tttaagattt gaacaacttt acacatggag aatcatgttc cttgttacat  120
gaactagcaa aggctgattt ttaattgaga gatataatga acgtggaacc aaaaaaagg  180
atagaaactc tcttcaacct attacagcat gaaaataaat tatgattgat tagacaatgc  240
aatgatacat agcttcccct gctcgatcga atcttccaag ctttttcttg gcacataatt  300
aagctaggga ggtgtaaata cccaaaaggg ttggaagttg gtgtcatttg aaagtagtat  360
cagaaagtac gaaggagatg gggctgtagt atgtggtaaa tgggctctca tgattgtgca  420
caccttcata tggtgttatc acgtagctgt agtcatctct atccctttcc accctttttt  480
tcacactgca tcctccactt gaacat   506
```

<210> 42255

<211> 579



<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b10d1

<400> 42255

agcgataaat gatagtgaga atgatctata aacatcgaac ataatatcca attgttcaaa 60  
 cttcaaagct taaacataaa tagtcaattt agaggaaatg aaattgctga atgccccata 120  
 aatgaagacc ttcaactgga gcttgaatca tcagtttttg ctgctgcaga tgcataacta 180  
 aactactat ccctgttact tttgactga ctggattgct catagcgaag aaatttgatt 240  
 tttatctttg ttgagcagtt ccttagcata tgaagaaaaa cactaattgg atggcgtcca 300  
 cagattgtat tgtcactact caacagatat tgcttgaatg aatctggatc tcctgtttct 360  
 atgatatcca tgcccatctt gtctaaggcc ttaatagatt tgtatatagg cccatgtttc 420  
 ttgtcatagt gcatgtaatt gaatcgagat cccagtgac aaaagtctga tgaaatagag 480  
 aagaagttat tggaatcatc aacatatttg ggcaagaatc tgcccataca tagcttcatt 540  
 ttcagcacta acagcaccaa ctaaaatggg tacaatttt 579

<210> 42256  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b12d1

<400> 42256

aattaaaaaa aaaaaatggt gataaaaaaa gaaggcaaaa aacaaaaacg ccacaggaaa 60  
 aaaaagaaag gaaagaaaga aaaaaaaaaa aaaaaaaaga agggcaaaaa aaaaaaaaag 120  
 aaaacaatca aaaaaaaaaa aagaaaaaaa aaaagggaaa ggaaaaaggg ggcggcaaaa 180  
 aacaacggaa agaaaaaaaa ataaaaaaag aacaaaaagc acaaacaaaa aacaaaaaaa 240  
 caaaaggaga aaagaggcca ccacaagaaa aggaaaaaac aagaccagac aaaaaaaaaa 300  
 aaaactaaca gctcaaacag ggaaagaaag aaaacaaaag aaaaaaaaag ggagaa 356

<210> 42257  
 <211> 496  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c03d1

<400> 42257

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gtgagaggaa aaatgcatta aattgagaat aacaatgaaa aagtacatca atacaaaaaa 60
aaaagactaa acatacatta actctgctgt tgggagcaca agaaattctg ctgcttattg 120
caagagcatg atctaccagc agagttggaa ataagaataa caatggaacc tacttattcc 180
aacacacata caacaacat gccataagggt gtcttttata agtagacaga caccacatgg 240
catagcataa ctaatcaaaa agcatgggtc tcgcataaat gatgagaccc aaaagataaa 300
agatacaaga ttcattccatg aacaagacaa gattcttagc tatttacgac tgcacaatgc 360
ttactgagct ctgcctctgt cctgtcttc acattaattc ttccatttt ctctatggag 420
gatgcaaact tagtagagaa attttcaact gtcccttcaa gcaattggat gatttgagac 480
tttgtaactg agttag 496
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<210> 42258

<211> 302

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039c04d1

<400> 42258

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catggacacc cgggcccaag aaaaagtttt aatattggcg cgtacagaaa ttacctaacc 60
caacggttgt ataaactctc ggacctttcg cgaagatggt attcggacaa acaaattcca 120
ttaagggttt gaacaactga cctggctttt tttttaaaaa agaaataaaa aaaaagaagg 180
gtggagaaga accttatatg ggtggggggg gctgaaaaac aaagcttgta aaaggcctag 240
agggggcgca ttcgccgact aggaggacta aagagggtgg cagcaatggg gcttaaaacc 300
cg 302
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<210> 42259

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039c05d1

<400> 42259

gtatgacatg atcattttca aatttacatt gcatccaagg aatggatata taataaaaat 60  
 aacaaaatcg tccataacgt acatatacac cagatacaaa ttttttaaga cgtatgatat 120  
 ttgaaatgac ttaaactttt acacaagaac gaacaaaatg ctataatgaa ttcccacact 180  
 gtcacacagt tcaaagttat tgcataccaa taatttcaag aacccttatt aacttacact 240  
 ttcaaaggga ttggcacaac taatattata tgctaataaa tataataatc ttaagatgat 300  
 gaagcagggt ttggaagatgg gttgaaagga acctgctaag cgcatgtaag gatgtaatgg 360  
 gggccatcct gtttttgtcc aacaccaaga aggtcaagaa tatacaggta atgggaaaca 420  
 atattggtca ttgagttcca aatcaccttg ttcacaaaca ccatatccat aaataatgt 479

<210> 42260  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c07d1

<400> 42260

caaaaaaagc ccccttttcc atcaaaaaaa aggatttttt ttaggttaaa atcttttagcc 60  
 ctttttcctt ttaggagggg gggccaaatt ttttccttcc ccatttgga aatggctacc 120  
 cttcccaa at tttggggggt atataccata aattggaagg ggggtttttt ttggggggcc 180  
 cggaatcacc cttaaagaac ggggtttttt ttggggggccg gggttcttcc ttcccaggga 240  
 atagccaaat ttttttttat aaaaccccc cccgggtaaa cccgccgggg ggtttttcct 300  
 ggcccccgga aacccccaaa acccggaatt ccggcccagg ccttaaaatt ttttttaagg 360  
 tctttccttt cccctggtgc ctaaaaacgg gggactttcc cccccccgg gt 412

<210> 42261  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c08d1

<400> 42261

caacacacat cccctttttt cttttttatt ctcaggatg gatacaagg tgcattgaat 60  
 gcgataacta atttttgcca cgattatgat cgcacataaa ttaagtattt ttctcggaag 120

gtgatttatt tcatgccaaag tagggacaaa gtgaaagaaa atacactaat tattattatt 180  
 gttattatTTT aaaaaaaaaat catcactaaa tatagccacc gttgacacga acaatttgac 240  
 cgTTgaccca ttcagaagca tcagggggcca aaaatccac aacgggtgcc acgtttttgg 300  
 tctaaccgag cctccccaag ggactTTTTT gcacgatccg attcaccacc tcctccgtct 360  
 tacccttgaa gaacatctcc gtcgcaatcg gtccggcgcg aacgcaattc gccgttatct 420  
 gcgtcccttt cagttccttc gccaggatct tcaccattgc cttcaccg 468

<210> 42262  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c10d1

<400> 42262  
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 ttttttattt ttttttttaa aaggggggaaa aaaaaaaccc ccccccttta aaaaaggggg 120  
 gcccataaat aaaaaaacgg tttaaatacgg gaaaaaaaag gggccctttt tttttatttc 180  
 ccccaaaagg gggaaaaaaa aaaaatgggg caattttttt aaaaaaaagt gtgaaaaaaa 240  
 aaaaaaaact ttggggccaaa aaaaaaaaaa ctggggagga attgccggga attttctggg 300  
 ggggggggaa cccccccccc ggggacctgc cctgaacaaa aaaaactctt gacagggaaa 360  
 aaaaaaacct tccccacaa aaaaaatttc ccacaggagc cccctttttt ggggtttggt 420  
 aaaaggaaaa agggggggcc 439

<210> 42263  
 <211> 577  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910039c11d1

<400> 42263  
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 gacatacaat gcatactcta aaccttgatt gaaggattca ttctcattcc ctgttgctag 120

gcatatactg ttagtgaggg cccaaccaac tgggtggaata gccttgaaag agacaagtat 180  
 ttctgatttg acgaactcca acatctccat caaaactttc tctttcaaaa tcaatagagt 240  
 ccggaagcat ggaaacaaaa tagatttgtg ctttaaagca ggtagaagaa caggtgggag 300  
 atgttgcaact agccaaggta tagtcagaag ataaacaaaa aactgcttag cagcatgggtt 360  
 gacatccagt gcgccaggca cttctacatc atagtttgct agataaaatg gccgcacagc 420  
 taaagttatt gcacttgcaag taatgaaaaa aaaatcatct gcctgggtga tactctttga 480  
 ctgagaggaa tgattttcta atgcactaat atatctgccca atagacacat aacatccact 540  
 tttattaccc cncaggaact gaattaaatc tttcact 577

<210> 42264  
 <211> 538  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039c12d1  
 <400> 42264

gagatcagaa gaacaaccgc ttttccaacc aacaaagaca accacaccaa atacaacaac 60  
 aaaggtagc aaaaacaagg cttgtgttta atccggcaaa gaagccacca ttagctatac 120  
 acaagtttga aacaattctc aagtttactc attaaactga atcagtattc agagtttaac 180  
 atcatgtgca aggtcagcac tagaaacacc atgattcgaa aacaccctct cccagagtcc 240  
 ctttctatca gcaacaaaaa ctcaccagca aaacttcttc cgtaacctag ctttttcttg 300  
 actatcaatg taagcaagca gctcttcttg cctcattagt gcttcataaa gagccttttt 360  
 agttgcaatt agctctgctt ccaaagcatc caccgcacat acagcagcat ttagcaattc 420  
 ctcttttca taaggcatct ccgatggctt agattggagt gtgtcaacct tcaattcaag 480  
 ctcacctaac cttttcatca ttgaggaaag gagatttgcc tctacatatg ctggagtt 538

<210> 42265  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039d01d1  
 <400> 42265

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gctaagggca attcttctact tcaaaagatt tttttttaca gggccaaacg actattaagg 120  
gtttattact gttctcctat tcaatgaagg agtcattccc aaatcattcc tcctatgggg 180  
ggggattgaa aactccgaca cttcaaattc gagaaagggt gcccgatggt ggcagcctca 240  
aactcgagac aggggtcatcg agctgaacat aattctacgg aagccatcct tttttcctgg 300  
cagcctcgag ccttataaaa agtttttgac gctacattcc cacctccagc tatttaaggc 360  
tcatgtggaa gtggcgctcc tgaatatctg taaacactgc ctctagcaga gattgtgaac 420  
gcccaaattt ttc 433

<210> 42266  
<211> 382  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910039d02d1  
<400> 42266

ggggccaaat aaatggtaat gaaatttatt ttaataaaag gccaaaaatt tttcccaaaa 60  
gggccccctg aaatgaggtt tttctttgga gctggaggac aacgcataga tggtcagagc 120  
tctcatgagc tgacgcaaaa ggcaactgcc taaacttggt ggggccaag aaccctccta 180  
ctctaaataa ggggtccaaa tagagactgc ggaattaaat ttgtagtttt ccaaggacaa 240  
aaatgacgat ttttaagacg aatcccttgg aatagttata gaaacaattc agaacttgat 300  
ccacgtgaga ctcccaaccg aaaaaaacag gccctagcca atatgccctg tgctgaaatt 360  
gaggaaaagt tgtaggccaa cc 382

<210> 42267  
<211> 533  
<212> DNA  
<213> Glycine max  
<223> Clone ID: jC-gmro02910039d03d1  
<400> 42267

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tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctgcacaaga 120

gaaaacatca gaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccactgggtt 180  
 cagaaaccga gttattcaga cctttcattt tttgctcgag caagacacta aatcgagct 240  
 aaacataaac atacggtaat aatgtgaaga caagctactt tgaagtaaca ccttaaagag 300  
 acttcttggc aacgaatata agaagatcaa tgacacgtga gctgtatccc cactcgttgg 360  
 cgtaccaaga aacaagctta acaaagttct tattcaaggc aagtcagcc tttgcatcaa 420  
 aaatacttga tctgctatcg ccgataaagt cagtggagac cacattatct tcagggtaac 480  
 caagaattcc cttcaacttg ccctctgaat cctccttgat agcattttta att 533

<210> 42268  
 <211> 548  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039d04d1  
 <400> 42268

gaaaacaaaa taatgcatat cgcactcttc aatttccgtc ccaaataacg gatttttgta 60  
 atttatcctt cgtaatttca cacaacaac aagggaatg atttatatct ctctaaatc 120  
 cttccaactt aaatcactcc ctgctaagtc actcaaacca aacaaagtgt taatggata 180  
 atataacatg cagaatcagt tgaaatgctg gaaactagat aaaattatga agttaatcgt 240  
 caattacaaa catcactcca tcgtccttct taagtagtg tgtggatga tcagtctcat 300  
 ttgtgttgct cagttctaga ttgaaaaagt ccattgcagc agccttaaat agagggccgg 360  
 cgtgccatgt tccccgggta agcttaagaa atttggaaacc tgaaatcttg aaaactggga 420  
 catactcaat ggttggaggc acatatgaat gaccagaacg tgactgcaca atcttcttgc 480  
 ctgtgtcatg cttgatctca tttgaatcaa caacagatga cttggccact ccaagatacc 540  
 aaacatga 548

<210> 42269  
 <211> 511  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910039d05d1  
 <400> 42269

0053113.032200

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ccaatcaatt tgcaaacata ttcacaatca cgccaacata gcaacaacat caccacagag 120  
cacaacaaca cgcagcacat gtacctgaat catcatcgac aacaactcct cgatgtccat 180  
ttcggttcat tactgcattc gccttttcaa caattcccct ttcggggtaa aagacgacac 240  
accccagagg ccaaaacata acaaagaagc aagcaaataa ctaaaatatac tcagtccctga 300  
aacaagaatt aacaaaaaca actacaaagg aacgacaatt agcatgggag tcttggttgt 360  
tcttcaagcg agtgtaggat tctctgcagg agaagtctc cacacgatat ctttaagagc 420  
tggacgaagc tccttgctac agaactggtt atactccaag gtgtcacccg tgcctttttt 480  
aacctccacc aacaaaaacg acggcgtcac g 511

<210> 42270  
<211> 501  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910039d07d1  
  
<400> 42270

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aatatataat tgagtgaata atacaaatat acccaaatca aacaactttt aaacatcaaa 120  
taatgcaaaa cataagagta aatccaccct tctagttcat gtgatcctta attaagaact 180  
tccttctaga aatggatagt cagtataacc cacaactgga tcaggagtgt agaaggtctc 240  
cctattgtac ttgttgagtg gtgcatcaac ctcaaaccct ttaggcaaata ctggattagc 300  
caaaaacaaa cgaccataag caacaagatt tgccttcttc tcagccacag ccttggtccc 360  
ttcttttcta tcataacccc cagcaacaat gaaagtgcc ttaaaggcct tcttcattgg 420  
tgcaagagtg tgaggggttt ccttattctc ccagaaatg tcccatcttg gctcaaccat 480  
gtgacaataa agcacaccat g 501

<210> 42271  
<211> 530  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910039d09d1



<400> 42271

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catcgggtatc taaattcaat aaaaaaagtt ctataggttaa tgcagcaaag aaagataact 60
taaagaattc aaatagagtt gggggaaatt caagcatgaa tacatctaaa agaccatatc 120
cagtaaaatt cccccaataa atcaaagcta agtcctaata taaaacatca ccctgacaga 180
aaaaatgttg gctggggtat tttcacaaaa ccctaccgac agataccctt ctgctgccag 240
actcattgat gttagcaa ataacagatca gctaccactt gagaagctgc ttgtaaatct 300
gtacatcctc catgaacaca ttaagcctca aactgcccgc ttgtccaaag ctttactgct 360
ttattacatc tacttttctg attctttcac ttcttacgga aggaaacagt gcagaaaatt 420
accaaggaca gtgctaaaca tcttttctcc aattttcatt ttcctttagt caattaatta 480
ggttattaac tccaacttca tcaagtctgg catttaagaa atgaaccata 530
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<210> 42272

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039d10d1

<400> 42272

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tcaaaaccag aaacgataaa taccaaacaa gtcactgttc taagacaaac aaaacgaaag 120
tagagaccaa caatatccca ccagaattt acttgatctt cttcttaggc ctcaactggc 180
tactatgacc gcacttcttc ttacggcagt tcacagccct aggggtgcaga cgagcatagc 240
atgtgcggca aatcatcttg tcttggttgt atttgcgagc caaagccatg aggggaaggct 300
cgatgatgcc accacgaagc ctgaggacaa ggtgaagggt tgattccttc tggatgttgt 360
aatcgcccaa ggtccttcca tcttcaagtt gctttccggc gaaaatcaaa cgctgctgat 420
ccggagggat gccttccttg tcttgaatct tagccttgac attgacaatg gtgtcgctgc 480
tttcgacctc gagggttatg gtcttccccg ttaggggttt aacgaagatc tga 533
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<210> 42273

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039d12d1

<400> 42273

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attaatccaa agcatataat aaatatccaa gcctacaaaa tagacaaaac gttaatcagt  180
atccccgcat taatgtctca gtagctaagc gatgacgtat tgatcagcta gcatacagac  240
tttaagatac aaatacttca cacttaggac ccatctggct gcataaaggg gttggcgatc  300
tcactgttac catcagttgg ggacacaagc atcacagcag ttcctctaca aacaattaag  360
ccaagatttc tggctctggc agtagttttg agaggatcat caggatctct taaaaactct  420
acagcttcat ctaggacaag gttaagcaat tgatcatacc ctttcagagt ccctgtcact  480
tgtctt                                     486
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<210> 42274

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039e01d1

<400> 42274

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atctaaatgc ccaggatcga ttatctaaga tctttacatc tgagttgatt tgagaaacac  120
tctcaataac tgctggtaac tattttctga cttggaattt tcaaattctt gtttccaaat  180
tttcatctac ttgacacttt atcactcttc atcatcaaac ttgacttctt ggttgctcat  240
tcaatctcaa agtagaccaa cagtttcatg cccacacaca cacaaaaaaa aaatcattgc  300
ttttacacct ttttttcaat ctaaatatca ttgaaagaa cttccaaatc ttcgctgagt  360
ccaaacattt ccgacagaga gctccaaatg gaagaaatcc aaccagaaga atgttttagt  420
tttggccttg gaacaattga tgcttcatga gttaaatacg gcactatata agttttcatg  480
tcactacgag agatatctag atgatctcct gatacgtaa caaatttaac tttcccagct  540
tcgtcaagag c                                     551
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<210> 42275

002230"ETTTEE560

<211> 529  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910039e02d1

<400> 42275

cacagaaatt aagatcatat taccataatc ttcataactg atcatcaatc atatttttct 60  
ttttcatttt tctccgcata gttaaataa ggggggaaa agagaaagat aaaaaactgt 120  
tcaagtggat aataaagagt aaaaatagaa aaaaattaat aattcctttc cttcaacgaa 180  
ccaaatacat catttcgcgc cgttttcaat ttctttctctt cagaggcaaa gaacggtgca 240  
gaacagatca tcggttgcca cgtcagcatc gtccaacggt aacacgttta gatcaaacgg 300  
caacggttct cgccggaaaag acgacgccac gttgtcgccg tctccgtcgt ccacaacgga 360  
tgacgacgag tcgcagtcgc tgcggcagtc ctcggaacg acgggcggcg tccggggata 420  
tctccggttg acaatcaccg gcgccgtcgc cggcactgag gctcgtgggc cgatgaagga 480  
ttctacggcg ctgctcatat cactggaggt ggaccgccgg tgatcctgg 529

<210> 42276  
<211> 573  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910039e04d1

<400> 42276

gaaacttaat tgtttattaa ttaatggaag cagtaactaa tgacagatga tgattcattc 60  
tacaacaccg taagctactt ctactaactt gtacacatta acattaattc ctgacgagtt 120  
aagatggact ccatattcaa tttagcaact gttatgtact tcaattgcaa ttataatatg 180  
catgtaatca caaatcatca gtattgggca cgcacggaat aatctgatcg tgagtgcaaa 240  
tttacatcca aaatttgag aattcgtgct caactcatcc catttccttt ctctctatg 300  
tcaagctcag ccattttatt acataactct gtaccacgat cctctttgtc attaatttca 360  
ctctgcggtt caacacctga actaataata tagtcatctg atattagcca ttttcctttg 420  
ttttcacggt cagattgttt gcaagtatca tcatccttta ccacattatc atctaattca 480  
ggcgaagaga aagacagtga tcttaccacg ttgntcttgg ggacatgaga agattcactg 540

cctgagggtg gcaacatcag aagcgggtga tga

573

<210> 42277  
<211> 546  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910039e05d1

<400> 42277

gcacaacagt aaatatttatt tcaagctcaa tcgttcagaa tccttgggaa agatggcaaa 60  
aatattaaat atacttataa catttaataa ccgacatgta ttcattgagca tcgggaaagg 120  
tagaagggtg aggaagaagg cgagccagga tcaatgataa ttcaaatattg acccatttgc 180  
aagtcatggt ggaggtgtcc gccgcctccg gacacggcga ggtctattat cagagcctcc 240  
atctgaagat tcgtttgcat catcagatcc agattgtcca tcataatttt cccccagag 300  
tgtagtagtg ggtctcctta ttcgcatttg gagtgtggta cccctggaca tggaagcagg 360  
ctgaagaatg aggaaaaaca cagccagcag accaccatca tctatggggt catcaacccc 420  
aaatgaagtt tgaagtgtgc taaggaggtc gccaaagatcc ctttggcgct tcaacctcct 480  
ccagctacgc tgacgtcttg ggtctaccgc agatgggcgc tcgagaggat gtttaagtct 540  
tgcatg 546

<210> 42278  
<211> 487  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910039e06d1

<400> 42278

gaatgaacaa aaaaacaagc attctcattg atgattgatc ggggcgcaat atctacaacc 60  
attaacactt aaatgtcttg ggggaaaata caaagcatgc aactgagatt tcaagtgcatt 120  
gtgaaatctc ttactcaaaa cactattata aactggcac tagacacttt gccaatgaag 180  
acagacagaa agaaaagagc atgctatcta tctacatcta ttggaaatca aaaggaaaac 240  
gggtacacca aacaatttgt ttcaccggcc atcagcagaa gtaaaagaat ctgcaaattcc 300  
agtaggcctt gcaggggatac tactcttact gtcttcaagg gccatataac ttaagtcctt 360

tccttctgcc tcttgccatc ccttcacat ctggttaagg ggaaggctat aatcaatgcc 420  
 ggaatactcc tcggtgtcat catcaaaggg tttccatttt tcgacaagcg gtgccaacac 480  
 attcacg 487

<210> 42279  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e07d1

<400> 42279

aaaagcaaaa atattttttt atttttccaa cttttagccc aacaaagccg aggttattta 60  
 aaatctataa tacctcccc ccttttttatt caaggggacc cttggttggg ggcccgattt 120  
 ttttcggggg gataaaacaa aacctgggtt ttaattaaaa ccctatactg gggggccctt 180  
 gctttagggc aaaaatcgcc cttggttttg gaccgggggg caaaggaatc atcctgggta 240  
 aaattggggc gggggtaaaa aaaaatgttt ttgggaaggg tgggttgggg ttctaaaaaa 300  
 aaatattggg gaaccctggg gctggattaa aaaaaattat ttttgggaac gcttggcctg 360  
 ggttcaaagt cttcatacct cctaaatttg ggggtgggga aaaa 404

<210> 42280  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e09d1

<400> 42280

atacacaagt gatttctttt atagtacttc aaaatggaaa agtgtttttg tggtcaggat 60  
 cagaaaaatg ctaaaaggaa gtaaaatcat gtgaaaaaca ctcaattata tatattgcta 120  
 gcaatgggtt acaattgaaa ccaaacttca cctgtaattc atttgggagt agggggagcg 180  
 gggtaggcca ttatcattgg cataatacta tatattgaag ctgcttgagt tctttttcag 240  
 gtgctgaagt agcagttgct tcaaaaatac aattctgtca gacttgtatt ttggattata 300  
 tcagacttgt gacccactt 320

<210> 42281  
 <211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e11d1

<400> 42281

gatctaaaaa catccattaa ttttaactcgg atcccagcta cacctttccc tgcactaaac 60  
 tctactacac caagcaaaag ctcccgtttt tattaagtaa accatacata aaagaaaacc 120  
 gaaaagaaaa gaagatcaaa ggaagatagg tagcacctaa gggttactaa attctgataa 180  
 cgagatacaa aagggtgtgc agcccacatg taactttgtg tctatatccc atgtgaggaa 240  
 cagctccctt tcaaagctca tcttttcctt tttcttgctc atcttgctct tgttcttgct 300  
 gagcaggttt atcttgctct tgttcttgct gagcaggttt gtcccgggtc ttttcgatga 360  
 attctatgat gtcttccttg gtctacccc ctctgtattg tgataacttt ccacttgctg 420  
 acctgaagta cacggttgga taaccttgga catcaaagg tttacttggg atatcggtgg 480  
 cagttgcatc cagttttgca ataacaacat cagc 514

<210> 42282  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e12d1

<400> 42282

aatggaaaaa aagagagata ctttcgaata tatttgtatt gccaaattaa gtttgagcta 60  
 catttaactt ttagccatca aatttctaag tatggctcta gagagaaata ttagccaca 120  
 tatgtaatgg tagaatgtca caagcctcag taatatcatt tgggggggga agatgataca 180  
 taaatactac ttgagcaaag atagagccat tctttaatct ttagcaattt gacttatctg 240  
 aagagagcca tttttttgct gccataaat caggaagaac aactgcacca gatttccttc 300  
 attccacagc atttgggggc ttaaacctat ccaacaatag ggcatgcatc cctatgctct 360  
 tagctggctc atagtctttg cgcattgtgc ccccgatgtg caaagcttct tcagggtgcaa 420  
 tatttccggc cctttcaagt gccatctcat aagttttcgg gtttgggttt ttgaccctt 480  
 c 481

<210> 42283  
 <211> 543  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f01d1

<400> 42283

cgtccaaaat ttacttttga aatagcatta agtccaaatg ttaatttgca cagcctatatt 60  
 atgtgggtttt tcacatgcac acatatacat attcacaatc aaatacaaaa agagcagggg 120  
 ccagaaaact acaatacaaa caactattgt tggcccttgt ataacaataa tatatatctt 180  
 ttttggagca taattgaatg aaccgtgtgt ggaaatcaaa tcaaatccgc tggttttaat 240  
 ttagatgcct tgaggccctg tcctttgatc tgactagcgg gtgtagacat cacacacaag 300  
 cggcgagcaa tttcggcaaa ggatggcctt actgctggat taggtgcccc aactgctcc 360  
 attagtgttt tccactcaag atcacaatag ctagggattg tcggccttaa tgtgttatctc 420  
 acaatgcctc ctatgattgc gccatagagc atattaccat atggctcatc accagtaaga 480  
 atctcctata tgacaatgct caaagagaac acatcaacct tttctgagac cttattgcta 540  
 cta 543

<210> 42284  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f02d1

<400> 42284

gttattgttc ttttttttga ccccaagcag ggtggataag caagcaataa aatgaattc 60  
 taacgagggg caagagatct tgatgaaaaa gtacaaaaaa cgacccatct taaaccataa 120  
 aaaccgtgag ttgccccctt aataactgga taaaatgggc caaatcata aaaacaaact 180  
 ggtgtagtag gggaaaacgg aaggctaaga ggaccttcta aagcaaagaa ggtatttttc 240  
 agaggatcta caaccaagaa atgccccaa agggctcgca aaagcttctc caacctaaag 300  
 aactactaca gatgaacccc ttggggatgc agggcgaaaca aaaaggcgga aagggtattg 360  
 gaagaccaca ggctcactgt ctgaacggat gaaagcgccc 400

<210> 42285  
 <211> 541  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f03d1

<400> 42285

actcaattat tcattttctt gtatttatat ttaaaacagg catattttac aaaggacacc 60  
 catcaaaacc caaaaaacta cacaaatgag ctatatacaa gcattcagtt gacatgcata 120  
 tatatagtag tgcaatataa cgaacaaaca tcatatccat gcattctatc acaaacaagg 180  
 aacactaaga agcatatata tcattattac acatccggca ttccaaagtt tactaaatga 240  
 tgcttttatt tagataataa ggattaaaac tctagccaaa cccacttcat caccaatcac 300  
 acactctttt tttttcttgc tatgccttga caagatgac atcaatatct ttagtgacct 360  
 tagcagcaaa gtccaaaaaa gaatcaggag atgcagcagt gatattctcc tgcagctttt 420  
 catattcgaa ggtccatttc acaattcctg cattttcctt attaatact tgaatgtgc 480  
 cccttaaact cttgtaacct tcaactgaatt ccccatcaaa gaggtgtat gatattatct 540  
 t 541

<210> 42286  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f06d1

<400> 42286

aaaatacaaa ctggggccatc gacccttaga ataaactcaa attaacaaca aaggtaatta 60  
 cactggggcca ttttgctcaa tgaatgatag aactaacatt tcaataatgg ggtcatgaca 120  
 acattaaaga tcatccaagg taattacatt ggcattatac caatgaatct caaaagattt 180  
 tttttcacia ttactctcaa tatcacagca agaacttttc aagggttttt ttaatgattt 240  
 tggaagaacc atttcccaca aacctaacct acatattggg gtggagggt cataactggg 300  
 tacccttatg ccatttgaca ctaactcctt taaggctcct cttatttctt cactattcaa 360  
 aatgtctaga aatctttttg ataccccaaa ttgccagaaa acaacaatgg cacaactttt 420



<210> 42287  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f07d1

<400> 42287

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ccccccctct agtagtcagt ggtgggaagc tgctcgtggg tgtggctgat aaagacaacc   60
tcgtaaaciaa ggccagcgat tccaccaccg atgagaggcc cggcccagta gatccagtgg   120
ttggtccagg tccagctcac gacagcaggc ccaaagtca cagcgggggt catggccgct   180
ccagagaagg ccccaaccaa caaatgtta gcgccgacaa tgaaaccaat ggcgatggga   240
gcaataattc ccaaattacc cttcttgggg tcaatggcag ttgcgtagac cgtgtacacc   300
agaccgaagg tcatacagat ctccaacacc aaggcgttgc caactccaac tccagcggag   360
agtccgaatg ctggaacagt ggaggcgtg acgaaggcca ggaggaggga ggcgacgatg   420
gagccgagga gctgggcgat gacgtaaacg atgccgcgga ggaaggtgat gt           472

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<210> 42288  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f11d1

<400> 42288

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acgggcccac aaaccgagtt tccctccgcg gggagtggca aataaatatc tttatagggg   60
ggccccaaaa aacaaacaac gggccggggt ttaacaacgg ggggggggga aaaaccggg   120
ggtaccccaa ataatggcc tgggaaaaca ccccccttta cccggggggg gaaaaaaaaa   180
agggggcccc cccaaacccc cttcaaaaaa agggcccccc ccaaaggga aaggggaccc   240
cccccgagc gggctataaa gggggggggg gggggggggt cccccaggg ggccccgtaa   300
ctttgggcgg cccaaggcc ccccttttt agattatttc cttttttttt acaaagggtc   360
gcgggtttcc ccccaaagc taaaaaagg gggccccctt gggggggccg ataaagggg   420
taacggcccc cccccccaa aaaacttgtg tggggggggg gggccaccg gggggcccc   480
cc                                                    482

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<210> 42289  
 <211> 528  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f12d1

<400> 42289

acaaaacaat aaacaaaatc tccatttcat actcaatata tgaatgatac atgaccaaaa 60  
 taaaactata aatcagacag aacccggtgg cgcattgaat tagtatctcc attacagtta 120  
 tggacattgc atccaaaccc aatagaaaga tcagagtatt acgcatccca agaagtaaaa 180  
 tcctactaca atttagcacc gagatgtcct aaaccgcatt acatgagcac aaattcgaga 240  
 tgtcctaaac cgcattacat gagcacaaat tcgagttgtc ttggaagagg accaagaaat 300  
 aaaagctaga taatgttcac ccctgcatcc agaattacca atccgcaaga ctcccaaagg 360  
 cattaagcct tattggcaat gttgttggaa agccagtcca gaccttcgta aaggccctcc 420  
 ccagaggttg cacaggtgct ctgaatgtac cagcggcgct gtctgagaga gtgtagaccc 480  
 aacttgctcg taatctcagc agcattcatt gcattaggaa gatcttgt 528

<210> 42290  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g03d1

<400> 42290

ggggggggccc accataaaca aatcaaataa aaaccctccc aacataattt tggctgcaaa 60  
 gtgcaaacca ttgcaatggt atacatagaa cttatgtttt tcgcactttg gggtcataat 120  
 cataatttgg ttttaccac aacttattaa tgcttgcttt tggaaaccta taacaccctt 180  
 gaaggaaact ggaaccagcc ccacgggtta tcaaaaatat atgggggtgac tcggttcaca 240  
 ctcaaggaat tattaaggcc ccatttttct tagtcacgac caaaaccact ggggtttaatg 300  
 cctccccagg gggcttgagg aaaatatggt ctataacaat taactcaacc aatctaaggc 360  
 ttaaaagcct tagtaatgcg ctcacacttt tctagagcat ttgggattac gggacaac 418

<210> 42291  
 <211> 551  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g05d1

<400> 42291

aaattcaaac aatcacatTT agcagaagag atacaaacat ttggattcaa tcaatttcca 60  
 aggggaggtta gctaaaatcc aatatctaaa ctttagctac actatcgaga atgcctaaaa 120  
 ctatcaacaa ataccagagg ttccatccaa acatccatga aaacgtacaa gaaaaaaaaa 180  
 actagagaaa ttcaatcacc tctcctaagt actaccctc gtggttataa tttagagatc 240  
 tactttccaat tgtaataca agataaaactt ccgacatcat ccctaaagtt gatgagggtca 300  
 agacacagct tcattatcaa gaagcttTgtg gtgttatgtt gtaaaaaaat tccaaagctt 360  
 cttccctatt gaagcttcac cgggttgcag gtaatcttcg tcatcctcat tctcaactcc 420  
 accagcagca tcttccccat gggattcact cctataactca gcatcattct cctccacatc 480  
 atctgctgtt ccgttcacct cctcactcaa ggccatattg ttgacaaagg cccgatggta 540  
 tcaccaccat a 551

<210> 42292  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g06d1

<400> 42292

agttgaaaat atcttttatc tcggaataat agaaaacaaa agcttacgtg atatgcacaa 60  
 agggaggtta ctacatatca tactggtaca gatggcatgg cactctaaaa tgcattgcaac 120  
 agggaacact atcacttggT cacatacagg ccccatgga gaaccatagg aatcaattct 180  
 ggtatggaag aaggaactgt ataaaggac tacggctctt ggtgctaatt cttagaactt 240  
 gaagctaaca gtcattgcaag ataacttccc ttcataattc caaggaactt tgaaggatc 300  
 actaaggga aatgcttaaa ccatcggtga gccatgacac caataaatgg 350

<210> 42293  
 <211> 492

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g07d1

<400> 42293

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acttgcatta taatattata tgataatagg gccttttttag gagtaccaa ctaacacctt 60
aaaaagacaa aagagaaaat gttcttttta gcaagaacag caatgactac tagaatccgc 120
catgcattgc cattggttat tgctacatag ccattacaca ctcacatata tgcacataga 180
taacaaacca ccaacttaac tcacaacagg gttgccataa ggcaaaaata tatgggaagc 240
ctaacatgct ccaagtcttt tgccatccac aagtcgtttc cagtacaaag caattttttt 300
ttgagtctct attgcactct taacctttct actagtctca ctagtctcac tagggatggc 360
tgtgatatga gcaactttgg tagtgagggg gctaggaagt gtgtccaaga gcttcacaac 420
cttcttttatg tcagcagcaa gtctttcggc caagccacgg gtgaaatcct ccctgaacac 480
cacccggagg ac 492
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<210> 42294  
 <211> 576  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g08d1

<400> 42294

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aataagaata agaatcaaaa ttaaaatcaa ataaactgga taccaaccat aaggccgcga 60
cctggtatac gaaactttca ttacattaat gggttgttgt tcataggggtg ggagagaaac 120
aactatgtac agcaacaact acaagggtggg attgttttaa aaaaaaaaaa aagcaaggtc 180
gatatcacc ccatcacct cactcaaaaa cacaattgat taaatactag ggattgtata 240
actgggcagg catatactac taattccggg atttccaaaa ttggacggat actactcttt 300
taatgccatc ttatatattt gatttgaagc agtcactgat aagcagcagt cagcctcgat 360
ttcatcttca agttatgttt tccaactgga tggatggctt catgacagtt ccttactttc 420
catcccagaa tctgaaagct atggaaatca atctactaat cattaggcgt caaggccatt 480
ttctgaattg aacttttgat gtggctgaca tataacaact tttgcatctg caccatcact 540
agccatcacc gactgttttt tttatttttc gagctc 576
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<210> 42295  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g10d1

<400> 42295

gaattctgac aacgaggaac tgctatcatt tatataattc actattaaaa gccaaaggttg 60  
 tcagattttg tatggaatag tgttcgcaaa acctcaaatt tgggaagcaa acatatacac 120  
 atttaccgca cgagagatcg gcgaaaataa agaacctaca atttggactg tttcttggaa 180  
 cttcgaccag ctatgaattc ctgcattctt ttgaattgct ccttcgtcat tccattataa 240  
 taattatgag ccctctcctt ttcaagggaa agtgcattggc caagatccag cttgaggcca 300  
 tcattgatga ccgccttgta cctcaacacc aagtcttggg tatttttcac aatggcatcc 360  
 gcaatttccc tgcttttctt caacaattca cccttttaac aacatgggtc acgaaacca 420  
 acttctt 427

<210> 42296  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h01d1

<400> 42296

agaaaccata ctttttatat taaattttgc ataaccccat gcacccaaac ataatggagt 60  
 tgacaattct cacaacaaaa acacgtgaaa attgatcggg ataaatgatt tcgaggcttt 120  
 gaaataaaaa caaatgaagg gggcacacct tcacatgcta aaacaatttg gaataccgag 180  
 tttgctggag aacaatattt taatattcta aacggcttta taagggaata ttacgggcca 240  
 ttatgaaaaa aggcctgtaa aaaacgcctt ctaatggagg gacaaactaa aatagcccag 300  
 gacatccaca atttgtaacg aagaacatga atgcccaaat gttcaaaacc ccgagattt 359

<210> 42297  
 <211> 497  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h02d1

<400> 42297

cagactgtat ttgtttactt tcattagggt taaataatta tagtagctca gaacatgccc 60  
 tccacgatga agcttcactt cccctttccc ttatccaaga gaacacatat tgaataatta 120  
 tgggtacaagg tgttcctagt acaagaaaac tagattagaa agtaaaaaca tgtccaccct 180  
 ggccacaatt caagcataga gcacttgaca agtacaaggt gagaattcgc ggaaagcaga 240  
 cgggcgctcc acaacctccc acgtcacact aacctcaaaa tcacctttcc ctgggattct 300  
 atcactcttc atctttccaa ttgcaacgtt taaattgtac gatgccacgt agattctgtt 360  
 gtccaaaccc gtcgcaaaaa acggactctt tataacgtcc ctcggaagc tccctccttt 420  
 cacgtagcgc cacgtgtcct gctcctcgtc gtacacccta accggcgcggt ccccgatttc 480  
 cgctatcacg aaaacccc 497

<210> 42298

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039h03d1

<400> 42298

gcaaatcaaa ctcatgtaat catagataag tcaacaaatg atttccatgt accaaaatgc 60  
 aaggcataat taaaatcagt gctgaagtat ctttcaacca aaaggtggtg gtccataaca 120  
 taccaaaagt gtctaatacta acgaaacaaa ctcaacctga aaactgtatc aaagccagtg 180  
 cagaaaataa caatccatca tctactagta aactccaaaa tataaacctt aagaacaag 240  
 gttgtcatta agagataacg aaacaaactc aacctgaaat ctgtatcaaa gccagtgcag 300  
 aaaataacaa tccatcatca ctaagtaaac tccaaaatat aaaccttaag aaacaagggt 360  
 gtcattaaga gataaggaag ccagctgacg agcagtagcg ccagcctgct gctgagcaac 420  
 attccttagg acgtccattg cctcagccac ctttgctttc agggcttctg gcgactcatg 480  
 caaatgcaga acttcagtct ggtccatctc aagaagcatg cctgtcactt tggcagca 538

<210> 42299

<211> 407

<212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h06d1

<400> 42299

aaaacaaata atttcatggt acttttttaa agtgatagca aaaaacacaa atggaaaacg 60  
 agtttgcaat ttgcacaatt ttaagaagt aatcataccc ttggcccggc tatagcctac 120  
 agatgtcaca ctagtttccc tcctctttga atatggaatg cgcaagggtt tactttatca 180  
 aaacctgaca ttatTTTTgt tgaaggcact tcattacagc tggattTTTT ttaccaaag 240  
 ccacagtagg gggagggtct tccttgTTTT gaccaacaca atggtaataa ccttccttgg 300  
 ccgaaaaatt atctggcttg gtatatTTag aggccgggga gatattcatc cccacagatt 360  
 acaagggtt ttgaaggatc attttgatct gaaaatgctt tattggg 407

<210> 42300  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h07d1

<400> 42300

ggaacacaaa tataaagttg acatttaaaa agcaaaccac caacgcaacg gcaaagccct 60  
 aaaactcgct gcgcttaaca aaaatgtaat caggggttct cacaaccccc acacattaaa 120  
 acagaatgat aaaaggggtc ttgccaccgt cgatcaagaa cccaattttg ggaacaaaag 180  
 ttgcgagatg atgggggaga cttcaaacta tgtccgaaaa acaagctacc tagaaacgaa 240  
 gacacaaggg caagaaacca acatttattg gaaccataag aaacgacatc ccctgatgaa 300  
 ccaaaccgca cgattcactt ttttttctgg gcagccttgg ggaccttggc tccagtagga 360  
 tccttcttct ccacgttctt gatgactccc acagcaacag tttgacgcat attcctgaca 420  
 gcaaagcgac caagtggggg gtacttagag aaaggtttca ccaccatggg ttgggtcgga 480  
 atcattttta ca 492

<210> 42301  
 <211> 550  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h08d1

<400> 42301

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ggcaagtcac aagattaaca ttattccgaa aagttcaaaa gcagaaatcc gcaaaacatt   60
gtgtggagaa aaattccaat tactgcaact tagcaacaca aaacacagac cccaagatta  120
ttacaccata caaagttatg ttcacttgga caactcctgc gagaaagtgc tagccagaga  180
ttgaatgggt gaggaagaaa ccgcacttga gccaccaagg taccatttct tgatggcctc  240
taccacattg gcattctcta tcacatactt ggagtcttct tccccctcca aagataccac  300
aatctcagca gtggcagaat ttgctgggaa atgggtatgtg atcactgaaa gtttcttgaa  360
gtacttggac tggaaaaatt caataacttt ttccaaagct tcttcttctt cctcctcata  420
tttgtcctca gctgccaaacc tatccctcac cgcagtctca atctgaaccc catactgtgc  480
acccttgatc tctttgatca ccacaagtct aataaacttc tccaccgagg cagaaatgag  540
agcattgaag                                     550

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<210> 42302

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039h10d1

<400> 42302

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gcacaaaatg ataattaaat taacttaaaa gaaaacttca ggatcatcaa ccatccaacc   60
aaagatcaac ggccaccgat tcaacaggaa agaaaacaca aaggaaggaa aaccatacac  120
agaagaagat tccggagaaa ttcaataata cacatttttt ttttttatta tttcattttt  180
cccctctagt agtcagtgtc gggaagctgc tcgtgggtgt ggctgatgaa gacaacctcg  240
tagataagcc cagcaattcc acctccgatg agagggccgg ccagtagat ccagtggttg  300
gtccagggtc agctcacgac agcaggccca aatgtcacag cagggttcat ggctgctccg  360
gagaaggccc caccacaaca aatgttagcg ccaacaatga aaccaatggc gatgggagca  420
ataattccca aattgccctt cttgggggtca acggcagtgg cgtagactgt gtacacaaaa  480
ccgaagggtc ttacgatctc caacacaaaa gcgttgccaa cttcgacttc agcggaaagc  540
cccaatgctg gaacagggga ggcaatg                                     567

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<210> 42303  
 <211> 485  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040a08d1

<400> 42303

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 tctcaaccag aaagtaaaaa atgtacatcc ttttgcctt ttccccttat taaataacac 120  
 aacttaaaaa caggggggca gtttggccac agacattgac cgtagttcat ttcacagtcg 180  
 gcaacattaa aatggaagga aggaataacc tgatacat tcatatccaa aaaatggaaa 240  
 attttgttgt ttggcattgc caagagttcc taaattatta aatttagcaa ttacaaaaaa 300  
 aaaagggatt aaaatgagaa cagggctgtg tgtgattaag acgctgcaga ttccttagca 360  
 attttctcgg ccttggaat gaccttctca ataccgcaa ccatgtaaaa cgactgctct 420  
 ggaaggtcat cgtattttcc atccacacac cctggaagct ggcaacgttc tccttcaact 480  
 caaca 485

<210> 42304  
 <211> 513  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910040a10d1

<400> 42304

caacaaaagt ttaaggcatc aaatatcaag gtcgcagtaa gaccaactca aaacatgacc 60  
 gttcatgaaa acagcgtagg tgccacacaa aatacagtaa gtgaaaaccc ataaatacat 120  
 aagccattac actgctgcta catctaatac cgataaatat ccaatggtaa aatggcctag 180  
 tctgtaaaca gactctggta tctatcagca cggataatca tcagctgcac cgttctgcgt 240  
 caggtact catgccacca agcacttaac attgttccca aaaaattcta cgatggcata 300  
 taggtagagg tatcgatctg ctcaggaagt tgctttatat ccacctgaaa ccttgactga 360  
 acattgttga gaacatcaac atcagtataa caggaaacaa atgtgattgc aaggactttg 420

gtgccaaatc ttgcagctcg accaaccctg tgtangtatg tgtcagcaga atcaggcatg 480  
tcatagatta taacaatggt gacacgttca ata 513

<210> 42305  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910040a12d1  
  
<400> 42305

ggaaaccac attataagca aatgaaatag ccagaatttg gggcaaatcc aaaaaagggt 60  
gcattggcac atagtataca taacctggga aactaacagc aatcaaattt gttcgccatt 120  
tggaatggga atttgaatac aaataccggg cataaataat ataaccctat gtacacagcc 180  
aatttttggc tgaaatttga tacaaaatag tatcaatttg tatkataaaa aaagggccca 240  
aaaaaattta tgtgaaggta aaggggaagg gtatcaactg ggggtaaaaa ttttcggctt 300  
tcatttactt aaacatgggg tccttcctgc acgttcacat tttctttatt tggttaagcc 360  
ctgttgacct tgttttt 377

<210> 42306  
<211> 463  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910040b09d1  
  
<400> 42306

attcaaaacc agttcctgat ccattgatta tgatttggtt tttcaaaggg attcaatcca 60  
aaaaatagtc tgtgagaact atcagatcaa tgtttatgta ccccgaaata atgagatgtg 120  
caaatgtggc tagtgcacaa tctaataatt attgactaca acaaggatag ttagggaagt 180  
ttaacttaat tttacacctt tcagccgtac aagacttgat tgtatacaaa gaagactcaa 240  
tatgatggat ggaaacaatc tcattaggaa cggaacttga ggctcactga ttcatagctt 300  
ggaacataga gaacatctcc atatgatgcc attgtgagag gggaagaaat gagtttttgc 360  
gaaattgaag tgatatcctt tgaggttact tcatccactg ccttcaagaa atcctcacag 420  
gtttcctcta ccatatgtaa aatttgtctt cctatatctt ctg 463

002220"ETFE560

<210> 42307  
<211> 510  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910040b10d1

<400> 42307

gaataccaag aaccgtaata tatttactat ttttcttttc agatttacat aagagtctag 60  
gtggtaatgg tataaccaat gggtgactac tgactagtta gtaaaagaaa aaaaatcttg 120  
atcaacaaac aaatttaaata taaatataag aataaatgac ccatgaccca agcttcttca 180  
atgcctttga gacggaaaac caatgtcacc caaacccaaa aatgccccaa aaaaacaaga 240  
agaaaaaaaa aaactttctat ataattcaac cccttaatta gggacatctc acatttcttc 300  
caggtccacc atagtaaaag taattcccc aaacattatt aatccctcct tgtatgtcat 360  
agcaattcgg gtgatccgct agaaccgaa gatttgacaa tggtaccaag ttgttatccc 420  
aatccacaac ttgcatgttc ctaaaatatg aagctttccc aaaaccttca ctagcaaaat 480  
gtccactacc catttgagtc gaagtgtgag 510

<210> 42308  
<211> 506  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910040b11d1

<400> 42308

aaaaactaag ttacctgcca ttactagta gaatctgttc agaacttaca tttcagatgc 60  
caaaagcata cactcacttg aaaaaggaaa ttacagagcc atttacagaa taaccttccc 120  
aaggaaaaat acaggtaaaa caaggcaagt gccacgcaga actgcacaaa taaaagctca 180  
gctcactcat tgctcgcacc aaaagcttaa acgagcctcc atatgttaat taaattcact 240  
tcaaaatcag aagaacatca atgggttaaag tagtaaaata agttagaata gacgtgcatt 300  
ttcttcaatt tacagcttgg ttatgtagaa gccttagtta ttgcaagagc taaggtctct 360  
taggtcagcc attggtgatg tttcacctaa cagttgggtg tagtgaaact caatttgtag 420  
cagtctatgg taaagggatg ctgaaaaaat gagacctttc ttggcatctg ctttcaattc 480

tctgataggg attgcagcta ggaagc

506

<210> 42309  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910040b12d1  
  
 <400> 42309

aaccatgtta aatgacatca tatgacatca tatgatccat ataaccaca tcattctaag 60  
 gaatatgact tgattattgt aatattacaa ctgattcacc atatacaatt cacattaaaa 120  
 ttctactata atcgtgaaat ctgtaagtta aaaacatttc aggaggttga ataaaaatac 180  
 ataaaaagca ttaaaataaa atcaacagaa tttatttccc tatatatagc gagacataaa 240  
 cgtaagtaaa gagcagaaaa ataaaaatac ataatccaac ctgtatcaac aattcaatct 300  
 gtgcaatgta caggcatcat atttttaact gtccaaagaa acatgaattg ttaatagcca 360  
 aaaaaaaaaa gatttcattt gaacacaatc tgggtgaatac ctaaaattaa 410

<210> 42310  
 <211> 513  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: jC-gmro02910040c09d1  
  
 <400> 42310

acgacaaaaa ttttttaatt cccaaaaatt atgattctgg aaaacaattt gtcgcaccaa 60  
 acacccccta aagctagatt tcaaataaac taggcatcag acatacatct actgccttat 120  
 tttctcgctt caaaattcca cgcccgaaa acctatatc tctgaagtag tagacaagtt 180  
 tatttttcgc aaaaaatata tgtcctatgc agtcatcaat agaattcttat ttaaattgatg 240  
 cttagtaatc ttgggctaaa caatcagtag ggctccacgg gggctctgaa tttggcacca 300  
 gcatacacag cagcagaacc aagttcctcc tcaatcctca ggagctgggt gtacttggca 360  
 agcctttcag atcggcaggg agctccagtc ttgatctgac cagttgctaa tccaactgag 420  
 aggtcagcga tgaaggatc ctgagtttca ccactcctgt ggctagccat gacaccccaa 480  
 ccagcttgggt tagacattct cacagcttca ata 513

<210> 42311  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040c11d1

<400> 42311

aaagaaacgt gaatgttata aatggaaaaa tgaaatcagc atcactaata taaatagaga 60  
 gaaataattc caagccagca gtataacttg aaaaaagcaa tattttctaca cagcaaaacg 120  
 tgtctgctaa tatgtaggga acttaggggc cacattgggg gcccaagact ctaggccacc 180  
 aacaatatcc ttggcagaaa tgaaacccat tttgtgaaga tactgaacag ccctttgaga 240  
 atcatttccc cttctgcata ctacatacaa ctgtgcactt gatccagaaa ctacaccacc 300  
 ttcctcttcc tctttcttca aagctgatga tacttcaggc agcctagcct ctaatgttga 360  
 gagtggaatg ttcagagact ttggtagaga tacaatcttg 400

<210> 42312  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040c12d1

<400> 42312

aagaaaacag agaatgttaa cttctgatta tctgcaactg caatgcaagg atgagcacia 60  
 ggtatccaaa ctgtaatcgc cgttttttga ttttcgtgaa caaggagggtg ctagatactt 120  
 tcttagtaaa ctaagcacia taatcaaaat gttttctctg tctgaggaaa ttacagcag 180  
 cccaaatggg gaagatcatg ataatgtctt caacttgtct gaacattcgt cataatctgc 240  
 ggggtgctttg aagtttttca ctgatttacc caagacattt aaaacagcaa cacgctgcaa 300  
 ttcttttagct tctctaatg aaagctgaat tgatctcttc tctaactcaa cagcatgttt 360  
 gctaagt 367

<210> 42313  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040d10d1

<400> 42313

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aacacttaac attaatat acaaacagaa tttcttcatt aacacttaac agcaaacacg   60
agaacattca atcaccccaa atacataact taaccataca taggtagatg aaggaatcat  120
attccttcta ttcactttta ttgaaaacca gggaaagtac tgcaacaacc atagagcccc  180
tagatggaga tactgttggg aattcctctg aaagtcaatc cctcctcact agaaggatag  240
agcaaagtgt aaggcatttt agccggccca ctgcggtttc tcaacgtctc gtccttggtc  300
ttctgtataa gcttttggtc aatctcttga agcttctttc caaacctctt gaaggcctct  360
agtggaccag catcagaagt ccaatagtca ccaccatctc tctccccaag gtagaactca  420
tcagatgtgt g                                     431

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<210> 42314

<211> 463

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040d11d1

<400> 42314

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aagtccaaca aatccttcca gatcaaata tttcagttt tgtttataac aaaacttttt   60
ttttttcttt tccagtagat acaagcatgg gaaaaggaat ctttaagtatt gaacaacaca  120
cccctgcccc tataagccag taactattgg atcagaaaaa tgatttattg caaaagttag  180
gttgaaagag aaataacaca tatcttaact atatatccaa gattctaccc cgtatcatgg  240
cctcggtttt cctcacctcc ttcactggtc cgatgatgaa gaccttgta ggtgggacct  300
tgggacctcc cgtgagaatt tcggcattgc aagactgott aattgacaaa attgttgccc  360
ctcttttccc aataacaagt cccatcttcc cttggggaat atcaagaact gaaagaattt  420
cttcttgga tcacttccat cagcattcag gttatctgga atc                               463

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<210> 42315

<211> 380

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040d12d1

<400> 42315

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tctttattct acaattctac tgctgtctga aattgtcccg ttttatgaag actacattct 120  
tatagtattc catttatagg gcaatcagca caaaaatcct ggggtattga aagggaatt 180  
tggatcaatt tccaccggat caagtgagaa attgaaatca ggaattggag aattgggtgc 240  
tgatgtgttg gtggaaatga tctcattgat atcggatttc gaatgtgacc tgtttagat 300  
cccatcaaac tcattcatct ggaaagttgg agatgggaaa taatttgatt ctggtgtttg 360  
tggggataac aagtgtgttt 380

<210> 42316

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040e07d1

<400> 42316

cacatctatt tcacaagtat gacagattct tgtaaataac tacactgggt tacgagatac 60  
aaagtgcct catcaatgtc atcaaggatga caaatttgca agactaatta catgatcacc 120  
aatcctgcag atatacatga ttgactttta tttcagacct acgtaccttg ttaatcaggg 180  
aatttgctcc tcctggagaa taatggcaaa aatacaaatt acaagggttt tttagggaga 240  
tcacaaagtg tccctaataa gatatgtata tatatatata tatatatatg gacgggtgctg 300  
attccgataa tgactaacta gctggcagcc aaatgggatc ctcatcagac tcagaagatt 360  
taaaaaacgg gaacgagaga aaacttattg gatatttgaa aaatcaagac agggaaagga 420  
tgaaccattt ttcattaact cctc 444

<210> 42317

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040e09d1

<400> 42317

agaagtagta catttttctt ggtttctaata ataaaaata gattaagcag tgtaaaaaata 60

gaataacaaa ataacatagt aaaagaaaga aaaaaagtaa acgccgatca ggccaatgca 120  
gcagcagcag ctaaagccat tattattctc acattaccac ctacgaccga gaatatccat 180  
aaacctacaa aacagttcaa aaaaagaaag aaagaaacaa ttccattcca aaaaaaaaaa 240  
acaatctcag acctctcagt acttataatc cttaacatga agtgactcag aagccccctc 300  
cccaagcgtg ggatccccct tataagttcc gagagtagcc tccgaattcg ccttgccact 360  
tacaagcaac gcgctctgcg ccttggggat attctcgtcc tttccacccc acgcc 415

<210> 42318  
<211> 503  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910040e10d1

<400> 42318

caaaataaat taatctcaat aatgaggtaa ggatacctgt tagtcacact tttaacaaac 60  
atgtgattta gatttacaaa acaggatgct gctcatgtgg aacatgagag aatccgaatc 120  
taataatcaa taacctgtaa gaaggaacct agagaacctt taaattacag tatagtaaac 180  
cactacttac ttactatgta actatgaata gtaataatac aagtactttg tcaccttaag 240  
atcactaaag aaagaaaagc ttttgggaaa actaaattca caagacctac ggactacggt 300  
gtgggtgagt tcagaaaaga acccaaagag aaaactaagt ggttaatcgg tggagccctg 360  
atctccatag ccataagggt ttttgctagc ccaattccat tgatcacggc acatctcatc 420  
aatgccatat ttgaccttc atttaagctc tctttccgct ttctttgttg atgcataaac 480  
aatttcagca tcaccaggtc tac 503

<210> 42319  
<211> 514  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910040f09d1

<400> 42319

catataaaaa gcacacaaca cttgcgagtg ggatactttt acttcttaaa tggataaata 60  
cattcgtggt ttcaaaaagt aaccagagct tcaattatta cagcttattt acaacacgct 120



taacaaatTTT acaaagaaaa tcttccagaa agcgtaatta gactgcttcg gcaaagccaa 180  
 cttggagatt tccatagtcā aagacggtgt gatatgccct catgaaaaca tcgccaagaa 240  
 tccacaatgg acccttttggT ggaggaacat caaaagcaat aaaccacta aggcagacat 300  
 ttgtaatgcc ttctccagtt cttagaatat actgctctgg tgggaggaca aaaggcttat 360  
 ttccaattgt gaacgtattg tttggcatct tggaaagact attacaggct atcactgact 420  
 ctccagagga cttggtaggc tctcacacag ttgattacat agttgaatac tctgtccttc 480  
 gatgcctttt gtttttaggtg attttggatc caag 514

<210> 42320  
 <211> 376  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910040f11d1  
 <400> 42320

aaaggaaaac atgaccctt ttaaacaac tttaccggca taaaagtttt tccccctgcc 60  
 aaccgacctt aattgtttta tgtacaaaag aacccccccc aaataatgat ccttcctttc 120  
 cccactcaaa gcaggaaggg ttttatccca ttccaaaacc caaataaaga agacgggaaa 180  
 ttctgtgaag cttttaatga aaaagcccaa cccccgactt gaaacaaaat atttaagcca 240  
 atgaaaaaaaa aaagaacccc gtttgaaaaa attaaatccc tccccccacc cccaaatgtt 300  
 gttgtggttg taatgttaaa tataaccgga accgtaacct ccttttttaa gttactctcc 360  
 aatgggtttg ggcttg 376

<210> 42321  
 <211> 480  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910040f12d1  
 <400> 42321

gtctgcaatc ataatcaaca aagagccgag tacatcagca agtatataat aatccaaaaa 60  
 ctccatcccc tacacagaag agacaacaaa aaaaagctta atgctcctaa cagggttaaca 120  
 acaccggttc ccgaaaccga tttattcata cttctcattt ctgcccgagc aagaagacac 180

taaatcgtag gtagacacca gcacataatg tctagacaag ctactttttt ttcagtacaa 240  
 ccttaaaaag acttcttggc aacgaatata agcaggtcaa tgacacgtga gctgtatccc 300  
 cactcgttgt cataccaaga gacaagcttc acaaagttct tattcaatgc aattccagcc 360  
 tttgcatcaa aaatacttga tctgctatcg cccacaaagt cgggtggagac cacatcatct 420  
 tcagtgtaac caagaattcc cttcaacttg ccctctgatt ccttcttgat agcattttta 480

<210> 42322  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g08a1

<400> 42322  
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 aattggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120  
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180  
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aatgagatc 240  
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300  
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360  
 atcgggaattc ctcgggggta ccgagctcga att 393

<210> 42323  
 <211> 518  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g09d1

<400> 42323  
 caacacaata ttcaatattt gaagttactt gaaaagttgg tcaaaagagt caaacattat 60  
 gattttaaaa tcttacaatt tcaataacat cctgctcata aacaagtaaa ctacgtgctc 120  
 catcaatgct tacaacattg tgacaacaaa ccaggaaaa aaaaacctcc gactgatgat 180  
 tcggcgaatc cacggttatt gcaatccata tagctgttga gtagagaacc acaaccgaat 240  
 atcttgcttc acaatgatcc tccaatcctt ggaacatcga ataatgtaag ttgatagcta 300

tttcaaata ga ggataaaaa atcactagaa ccacgctacc aatgtccagt ttcattttat 360  
 taaataccat tttcaaattg aggaaatgaa acaatcaaga aaaataactt taaaaagcat 420  
 aacatttaac ccttgaacct caaaataagc accacagcac accacgccat gccatggatc 480  
 aactttgaat aaatcgaaaa aaagaatcaa attatccc 518

<210> 42324  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g10d1

<400> 42324

gtaaaataat gttatttttag atgctgaaaa taaatattca tacatcttca catatggatt 60  
 actaatttac tggttacatt ggattgcatg gtctcagaat aaataaatcc catttgattg 120  
 agtggtgtgt agtctttttg ttttacaac ctcgtcaatt gattcaaaaa tgataatttt 180  
 gaaccaatta aatgacattg acaacacttt tattttttaa tggaaaataa gattctttta 240  
 tttgtaagag aagcaaaagt gcaaaactac tataaaaaaa attataaatt gtccttggtc 300  
 tttcagagtt cgtccttgac atcatcggct tctttggttt tcaaaacg 348

<210> 42325  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g11d1

<400> 42325

cctgctagaa ataaagcgta tatcatcaaa gtatggtaaa acatcaattc aggctaacac 60  
 gaaactgaca aaaaaaacgg ctactccaac ttcaaaaata gtatccaaaa tttcggacct 120  
 agaaaataaa cagtacatgt aaataaattt taaaaaaaag gcctccttaa acccaaaaaa 180  
 aaatattttc tagttgtgca acgatgatcc ggaattttca atgaactttc actcataatt 240  
 ttcattggtta tcagcagcag agttgaaaga tgccaccctg gcaataaatt aagccttctt 300  
 ttctaataa gtaagcttct caaagtggac cctttggggc tc 342

<210> 42326

<211> 465  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040h08d1

<400> 42326

gaacataaaa aacagcgcac atctatcgga aagtacagaa tcaaccataa aagaatgacc 60  
 agaccagatg tctaaagcta ccaaagcaaa tatttacatg cttacggaag tcgttacttg 120  
 ctttcaatga cataaattac aaaaggaaca gaagaaaaaa atttcataat ttgttattca 180  
 agttagaaat gtccttagga caactttgca gatgtatcaa aaccttgctt ctgcaattct 240  
 gccctaagcc aacaccttca agaacaccct aaaattagaa gcttgctagc aattttgcta 300  
 taaatagcag tcaaaatttg cacatgcttt gtgaatatat gcagttgagg tttgaagctg 360  
 attcatgttg agcatccaga ctaaaccatt acaatacact actactccag aagtctgaat 420  
 atttgacatc aaccaaattt tgactcagtt ccaaaatagc taact 465

<210> 42327  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910040h09d1

<400> 42327

ctaaaatcaa ggaaattgaa agaaaactat tttgaattaa aatcggtggt gagattcaaa 60  
 gccctaataa tacaactgac atttggttcgc agaatacaaa tgaattggca tttgttcgca 120  
 taactagaac gttaaaagaa agacaagagg gccagagata atagaggata gtttttcaca 180  
 tatacagccc ttcaggcacc cctttttttt ttttaaacat cactttatcc ttggccttct 240  
 taaagtcggc atgagtcacc ttcattcgac gttctcgtag agcaagtaaa ccagcttcag 300  
 tacatattgc ctttatatca gtcctggaga attcgtcttt agtcataaca aattcttcca 360  
 agttgacatc atcagctaata gtcacccctg acgtgtgtat ctggaagatg cgtctccttg 420  
 ttttgatatc a 431

<210> 42328  
 <211> 427  
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040h11d1

<400> 42328

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aaacagacaa attagaatgt atcatttcaa tgaatatatc aacttaacca aacaaaactt   60
ggccgagaaa atgttgaagt catacaaaat ccgtataact gacagatatc aaggggaagt   120
tatatgatgg agcaggcaaa aagggaaaag gtgcaacaga ggcatacgat acgggaggac   180
gcgcttcagt ccgataggga cgctggcct tgatattttg atcgccgtta tcatcatcca   240
actctgaaga ctccgtagag gatgcagatt tcacaaaacc ctttgctttg tcttctaaga   300
attgttcggt ttcagaacga cgggtgaatca aaagcccaga cataaacaca gggaggtaaa   360
agaagactgg catggaacat tctcctttgg cttttttttg gtacggtttc tatagaatga   420
aatgct                                           427

```

<210> 42329

<211> 438

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040h12d1

<400> 42329

```

gaaatgaaga ttgttttttc atataaaaag cacacaacac ttgcaagtgg gatacttcta   60
cgtcttaaat ggataaatac attcgtgggt tcaaaaagta accagagcta caattataac   120
agcttattta caacacgctt aacaaattta caaagaaaat cctccagaaa gcgtaattag   180
actgcttcgg caaagccaac ttggagattt ccatagtcaa agacggtgtg atatgccctc   240
atgaaaacat cgccaagaat ccacaatgga ccctttggag gaggaacatc aaaagcaata   300
aaccactaa ggcagacttc tgtaatgctt tcttcagttc ttagaatata ctgctctggt   360
gtgaggacaa aaggtttatt tccaattgtg aacgtaatgt ttggcatttt ggaaagacta   420
ttacagctta tcaactgac                                           438

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<210> 42330

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041001a1

<400> 42330

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gggaaaaata agtttaaagc aatatattgc tattgttttt aatacacaat agcatgcaag   60
gaaattctta caaaggcaag actaatcagc tattctatcg ctaataaaat tgaaattaaa  120
gaaacaaaaa tagcttccta gagccaaaat ttacaacttg cttctccact aaattcaaca  180
gaaaaataac cctagaaaaa cacttcacca tatatatattt aaacctattt tagaaatcct  240
ctggtggata tgcacatgga gtagattgct gtacatcttg aggcactcca ctccatcaaa  300
acgagtctag gtaattatag tgacgttttc tgttgaactc taacaagcta ccataggttc  360
ggtcagcaat acccacaaat agagcttctg tgtctgggct aaaggatatg ccagcaatct  420
caccaaatag gtcaatctct tgaccttggt cataacctga atgtgagtca aaaatatgga  480
cgaagtctgc aggttc                                                    496

```

<210> 42331

<211> 575

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910041002a1

<400> 42331

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aaaaagaatc cttaagatta aataattagc ataaaaagga caatacaatc tccaatattc   60
agtaaggaac tcaaattacg ctggccatgg accaggtgga acagttgcag agtttttaac  120
attaatgcat ccaacgttct caaccagaaa gtaaaaaatg tacatcctct tgcccttttc  180
cccttattaa ataacacaac ttaaaaacag gggggcagtt tggccacaga cattgaccgt  240
agttcatctc acagtcggca acattaaaat ggaaggaagg aataacctga tacattttca  300
tatccaaaaa atggaaaatt ttgttgtttg gcattgcaa gagttcctaa attattaaat  360
ttagcaatta caaaaaaaaaa gggattaaaa tgagaacagg gctgtgtgtg attaagacgc  420
tgagattccc ttagcaattt tctcggcctt ggcaatgacc tctcaatac cgccaacat  480
gtaaaacgac tgctctggaa ggtcatcgta ttttccatcc aacacaccct gnaagctgca  540
acgttctcct tcaactcaac atattttctg gggca                                575

```



<210> 42334  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041004d1

<400> 42334  
 aacaaaaaaaa atcacatttc ttatgaaaca atactatddd ggtagtgaac aattgtgaag 60  
 acaggaaaaa aatcaacaga atcttacaaa agattaatat gaggttctcc tcccaactaa 120  
 aagagaaacc ccaaagtaat aaaaaaattt caccaacacc atgtgtaaaa gcatacaaca 180  
 gttatgaaat actagtatat actataccaa tctgtggct gtataaaatt tacaacaaaa 240  
 caaacaaaaa aatgcaataa atcgaatgga acctatdtg tccaataaat cctagtcccc 300  
 cacttccaaa atttccaacc ttccatagct accaaaaagg gaaaaaaaaa attccttcag 360  
 catagtagag actcacggaa catgtcatct ctaggtcct 400

<210> 42335  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910041006d1

<400> 42335  
 aaacataaga aatcaacttt tgacatggac aattctgaaa acatgacaga ggtcgcaaac 60  
 aacaggtcct aaaccaccaa aatagaagca taatgatgat atcacttcac agtttgaata 120  
 atggagaact atatcacaca ggagtaaaaa caaaaaggaa cgaacaatac tggttcaggg 180  
 taatgtaacg aagcatatac cctttttact cgaaacaatt acattgataa taaaaccttc 240  
 atttatgaat agtctctctc ttctcatca tcttccgctc cttcagcccc aacctctca 300  
 tagtccttct caagagcagc aagatcctca cgagcttcag agaactctcc ttcttcata 360  
 ccctcaccaa cataccagtg aacaaaggcc ctcttggcat acatcagatc aaatttgtgg 420  
 tcaatgcgag agaacacctc ancactgcag ttgttgtgct gatcatgcat a 471

<210> 42336



<211> 500  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041007a1

<400> 42336

gagcattcaa aagtatccat tgcaccgaga tgagtcctat acgcttactt gacaatatac 60  
 aatacaaaac agtatcaaga gaatgatata aaactcaacg tgacaaaatg gctttcgtta 120  
 ctttgctacc tggggaacat ataaaagtaa aagaactata taaattaatc cagctgagga 180  
 acccaaaaat tcagatctgg gccaaaacaa ataggaaaaa ctgagtataa aaaatctccc 240  
 tcatttgcta ttacgctgct gtggcagagg tgggggctct taactcgatt ttctatcctt 300  
 tctttccgca atacccaaac ttaacatact tttgaaccct ttattttctc cacaaaagaa 360  
 aattcgacca gaaccttaaa gaattatgtt ttaggtcttc cttattcttc aattcatgag 420  
 gctccgagct tctctttgtt aagaacaaag gaaagaaagg aaaagtactg aatgcaacag 480  
 cacaacgcaa gacacacaca 500

<210> 42337  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041007d1

<400> 42337

agaaacgtgc atatgcccac cttagcatat gataaataag caaaatcatg tcaaaataca 60  
 aacagttaat agaactgtgt tgctattatt ttctgctgca aatacagagt gttatttgag 120  
 gatgccagga atatcaatca acattgatga tgaatgcaac aattatcata aaaaatcaaa 180  
 atcacacatc taggacattt tattgcattt tttccctgtc atttaacatt gagactacaa 240  
 gtctaatacca tccgttagca tgtattttta tacacccgag ccttgggagg gaatgattca 300  
 acctcatcat ccaatacatt caaatgcacc ggctgtagt ccaaccggac ctttttgttc 360  
 tcccagaaat ccacagtgtg tttcatccag ttcccatcat ctctaacttt gaagtcttca 420  
 cgggcatgag ct 432

<210> 42338

0953113.032200

<211> 426  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910041009d1

<400> 42338

aaacgaaaat aatttcaatt tataaaacca acagtagtaa gacagactat caaaattgaa 60  
cttttttttt gcacttctaa ggaattaatt tattagttcc ttgcatttgg gtggatggcc 120  
gagatggcaa gagtgatgaa atctgctatt ttttcaggca tttttcctat gtttttagaaa 180  
acaaagatca tagcatttca ctagaaaggc cgagatggta taaccaatga ctttctgctg 240  
ctatttttca agcccttcag cttgagagga gtccacacta agggtttgcg tctttgatgc 300  
ctagggctgc cggcaaactt actgctgctc ctcataaagt tggatgatgc gtctcgactg 360  
aggttatagc ttctggcaat ggggcaaaca accttgaata ctgagtttcc ctttggttcc 420  
tttccg 426

<210> 42339  
<211> 406  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910041010d1

<400> 42339

acaaataaga taaaatcaac tcagcccgctc attaacaagg ccatggaaca atttcagtgt 60  
tatacatatg cacattatct tctcgaatta agatcatcat cacaatttaa tgtccccac 120  
aacttattca tgccagattt tagaacagca attcatatca cagctttgaa ggcgactgat 180  
accagcccca cggttcatca gatatgtact tggtcacttg cttcacactt aaatagttct 240  
cgagtcccca ttctcctagt tcacgaccaa aaccactacg tttaacgcct ccccatggag 300  
cttgaatgaa gcttggttga gcacaattta tccatacaat tccagcctga atagcctttg 360  
atatgcgctc gcattcttct agatcttttg acattacagc agaccc 406

<210> 42340  
<211> 422  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910041011d1

<400> 42340

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aatcagaca aaaaccatag tccataaaag tataataatg taagaatgga aatatatatt   60
ttcacaacta tacagacatg ttacattatt tacaaactca ttatcaaaat aatgctacta  120
agaatccaaa aaatgcgtag caataatgct tctctgggtg gtcctaaaaa aataactaata  180
ttagttataa aatactgaat agcctataag atatgctcaa agtatgggtca aaagcaccaa  240
aagggccatc ataaacgcag aggtaggttt tatcttaa at gagagattat gtgacagctc  300
aagaacatta gactggtttg atgtttcttc aggattcaca gctatggcag gagaaatagc  360
aggggaaatt gatccggtaa tagctaaagt agagagttca tcaacataac agttagattc  420
cc

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422

<210> 42341

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041012d1

<400> 42341

```

ggaggaagaa tataaatgac attatgagcc caaccaaacc aatggtacaa tattttattc   60
taaggcaaga ttttatctac catcctaaca ttaacattcc caaccacaca acatgttaca  120
taacattgtc tcaaaagatt ggaccagctg cgagaatctc ttctgtcagg ttgttggttg  180
ccttgccaat cttgtagttg gtgaagggtt caaaaatgtt cttgaacaat ccagccaact  240
tcaatagtgt ctcttgtag ccctttttgt ttgaccaa at gttcacaggg tctagaattt  300
ctgaagggac accctccact ttcgggtggg atctcaagcc caaaaatttt agtcttcttg  360
tactctgcat tcagcagact tctgagtga atagcatcaa tgatttttct tgtgtatttg  420
agattaatgc gacttcata gccatagctg cattttgaca tgtg

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464

<210> 42342

<211> 299

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041015d1

<400> 42342

agaggactga tccaaaattc aatatgcggc ccatgggtcta attccatgac taaaactgta 60

aagctcaaat atactatcct cctaaaagga ttagatgttg aaatacaagt aattccaatg 120

aaagacaaac tctctcgagt gatagttcct tggatatcta gaaggagcat tattcaaaat 180

tgaagctaca cttctgtggg caaacatgg gaacctacta acaaggacag tagccaagaa 240

ggagcgatgg tctctaattt aggcattgagt gagccaatgc cttttcctca gaaagctct 299

<210> 42343

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041016d1

<400> 42343

attaacacta ttagtTTTTT ggaaaaaag aaaatcgggg aaaacaaatt taaaacccat 60

ccccagaaaa aagaaccggg ggggttttaa aaaaaccgtg gggggaacca caacaaacc 120

cctttgtgac ccggtatcgt accccccaa aaattttgtc ccctaagac cccaaagggg 180

tgaaccatt tgggcccaaa aaaattcaat ggaggggggg ggacccccg ggggatttta 240

ccccaaaacc gaattagaaa a 261

<210> 42344

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041018d1

<400> 42344

cctcgaatga catgaaattt gaccattaga atgattgtat ttacataac ctgttttccc 60

accgcattgc agagatgaac agctcacaaa tacatacaat gtagaatgga attttatttg 120

gaatatcaat gcacaacaga aaaaggatcg tgtcactcca gcagggtaga caatcagaca 180

cagtggcgag acttgtttac tctgaattt gaacaggctc aaaaccctc tggatagaag 240

ccttcacagc atccaatacc agctgtgttt tgctagtaat tgttggccac ttcttgtcag 300

gcttagagtt tttgaatttg atttctgcga ccaaccgggc aaattctcta atcaaaagag 360

cctcctgagg gagatcagtg gttactgtat gcttactt

398

<210> 42345  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041020d1

<400> 42345

atataatatt tatttttttt tttttttact tcttcatttt tttttgctct ttattgatta 60  
 cttttttaaa ccacatttta ttattatta ttttttgggg gcccaaaaac cggaaccccg 120  
 caacatgcag acagacagga ctaaaaaaaa aaactggata ccaacacctc ccccaaaaaa 180  
 atttatgtct tttagtaaaa acatgccctc ttaaaacacc cttacgtaga aaaaaaaaaat 240  
 gctatcaggg gagccacacc ccaaaaacct tccccccca gaaaaaagag gggggggggg 300  
 g 301

<210> 42346  
 <211> 562  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041021d1

<400> 42346

aaaacgcaa tacaagagga gccatcatat taagactata tgatagaatt agcactcggc 60  
 agttgcaact tattcagcac atcaaaattt tgataaagta actgatcaaa ttccactcaa 120  
 gtgcccatag caaaggctgc aaacaaccaa cactagtgtt cggccatccg taagaaactg 180  
 aacaaagaag aaatgactgg gagaaacttc aggatctaac caccttcac ctgtatgtgt 240  
 tcatgtaatg actgttgag cgatcgacc agtgaattct tccatcttcg aaagtttcaa 300  
 tgcaacttcc acaagaggag caagggttc atttgaaagt ctccaatct ttgatggatc 360  
 cttctcatat tgctcaatgt atagtcgaat tgttgacact tctgatccag ttccagatag 420  
 gcggaaaatc aatcgtgatc catcctcaaa caaatatcgg attccctgat gtgatgagat 480  
 ggaaccatcc acaggatcat tgtactcaaa ttcatcaccc tgaacaacat tcgaaacatc 540  
 tgaccttatc cccttaatat ct 562

<210> 42347  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910041022d1

<400> 42347

gcaaggaact gtaagaaaca tgaaattaag atcgtaaaat ccttaatccg tctcaccctc 60  
 taatgtgact cgtctgtgga cgtagtttac agacttatta tatttaaata ggacattaag 120  
 taacgttcct cagtggcaga acacagacga gtacaaacta caaaatgata atacaactta 180  
 catactagca ttcaaccaag aaaacaaaac taaaaaaccc aaactaaca caaaactgca 240  
 gttctgagaa atctgaaaat gattcgaagt gaaagccata attgatttta agttctaatt 300  
 gctggaacgc aactctggac gaacaaagtc tgcactctgtt ggacacagaaa tgtctactgt 360  
 gggctctcagt tcagcgcaaa ctttaatggc tccatgcact gggtatgaca ngaagttgct 420  
 gaataaat 428

<210> 42348  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041023d1

<400> 42348

atatcaaatt tctagtataa ttgttttcat tgctagtaaa cataaggcaa gttatatcat 60  
 tcaaaatata gctacaatga cgaactttat tcttctcttc cacgcacaat tatatgacgt 120  
 cccaggccct tcatgaaacg atgaagtgat ggtaaaaaga caaagacaac ttaggagaac 180  
 aaacaagaca gaatctaaag gacccaatta ttatgcataa taaagaacca cttccttagt 240  
 tcaaacttca aagctttgat gtttccctcg ggtgatgcac gacaatgtaa ttataagcat 300  
 ccagagtggag aaaatcatca agcattgggtg acgtgcattg gcgagtgaag atcttgcaag 360  
 cctccttgta cattcccttc ttgaacttct ctgtccccac ttccttttca atcctagcca 420  
 tctcttctta acaaccctac caaaagttct ttgttcactt tcac 464

<210> 42349  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041024d1

<400> 42349

ggaataaaca tttttgtaac atatactgag acatgataaa ccattccaca gtggcttagg 60  
 cgagacataa tggttccata tacaataatg atgaggacaa taaaaatgac aaccaaattg 120  
 cctcttgaga taattatagc cggtatgcac tggacaacac tgatatgcac aaccagttag 180  
 aagccacaat aactacaaat aataaaaaaa gctatcatta catgattaca gcacacagca 240  
 gcagctgcaa ctgtataggc ccgtatcaaa gtatattaac atggctgtga atcgaaagtg 300  
 tgcagattcc tcaacatggc tgctaaaaac ttccctgaca tcgatcttct acacttcctc 360  
 ttgactgagg gtgttacttt ttaagatggt atacttgagc agggggcatg tagcattaat 420  
 atacagccat ttatccacac agacacagtg aaaatggtga ccacaaggaa gttctcttag 480  
 ctcaacccca tcatcgtaag 500

<210> 42350  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910041025a1

<400> 42350

ttgtaggatc aagagccttg cttcaattcc aagatcctcc tctccctca accgcacett 60  
 tttcttctca tgttccttta gcgcgggcgc tgttcgtcat cggagattcc tccgttgatt 120  
 gcggaaccaa caattttctg ggcaccttcg cgcgcgcccc gatcaccttc cttacggaaa 180  
 agatttcgac acccaccac cgcgcggaag attctccaac ggaaggatcc ccgtcgatta 240  
 tcttgctcag cgtcttgggc ttccctttgt gccaaagtat cttgtgcaga cggggttgtg 300  
 ggggatatga taaaggggta aactacgctt ctgctggtgc tggcattatt ctctctagt 360  
 gctctaattg ggacagcata tctccctcag gcaatcagca atntacagac acacttcagc 420  
 agtttatatt caaaatggcg aggatgct 448

<210> 42351  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041025d1

<400> 42351

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 acatgcaacg ggaaattgaa acattagggg aagaaaacga aatcatgctt gcacttttgc 180  
 attttgccaa aagattctat gacccccctt tgatcagttg cagtgcagcc tactatttgg 240  
 gaagggccgg aattgctccc ttttggaag aagtaatagc tccacatgca ttggcaaact 300  
 ttagaactta ttttaacat tgttcattt taagtatgga ctgatcatcg acaatcttgg 360  
 gcgataaagc accaacaag g 381

<210> 42352  
 <211> 169  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041026d1

<400> 42352

ggggctacaa aatcttggca aggccttatt tattgaagg aaactttttt tttagaaaaa 60  
 aaccctggga aaggaaataa aaatggggcc attaattgcc tatggtacac gtgaaccaag 120  
 cttggaggga gcataaactc ctaatgccac cacaaaaact ggtgtcccc 169

<210> 42353  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910041084a1

<400> 42353

aaaaaataaa aaaaaaaaaa aaaacaaaaa aaaaaaaaaa aaaatcaaaa ataaaaaaca 60  
 tacaaaaaac aagggtcggc ccccatctgg tgtgttcgtc aaccgcagat ttatttcttg 120



cccgtccttt gatggcttcc cttctttcca tattcagagt cgtattaaac ctgggcgtaa 180  
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<210> 42354  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910043a12d1

<400> 42354

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 atgaatttac attatttaaat aaattttatt gttaaactca ataagcacac actcactctt 120  
 taccatgcat acccaccgga aagagtgcac tcccatgttc gattcacaac ctgaagcggc 180  
 tcaaggaaga ttttccatca agggcctttg catagtagta tgccacgaaa tcttttatgg 240  
 tagtgtctct gtacattggc ggattttctt ctgaaattag ttccttaatt ggaccatata 300  
 acttctgtaa accttcaact gggtcacccg aatgtccaaa gaaggcccca aagaagcttg 360  
 ctacagaaat tcttgggcat gtcttctttg ataagaccg gtggcacaca cttgacaact 420  
 tgtcatttgt gatgagctgg anaaagtctc ctacgtttac aacaagagc 469

<210> 42355  
 <211> 549  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043b08d1

<400> 42355

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 aaataacaag ttccttaaac taaacaaacc aaattgcctc aaaagtcaaa gccccattat 120  
 ttttttttct taccgaagta tggggatcaa cgagggatta acaagttcat cattcaacag 180  
 aaacaaacat gacaggtaaa caggattgca agggaaaata aaccactttg tgccctcatt 240  
 taaggagagt cttcacaatt gatttgacat tgagcttctt gaggtcagta taagactgtc 300  
 cacagcccac aaacatgaca ggagctccag atatgtaaac cattgaaagt gcagctccca 360  
 ccttatcatc tatggtgtca aatttcgtga gcaagatccc atcaatcaat cttggattaa 420

gtgatgttgc aaggtcagct aattttctgat tgaactttga aagctgatca acagcgatcat 480  
 taccaaccag tgctttctcca acaaattaga ctagatctgg attgtaagggt agatgagttt 540  
 tgacagtgc 549

<210> 42356  
 <211> 397  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910043b11d1  
 <400> 42356

ggaccaaca ctgaaggga ttatattata tataactatt tggggccaaa atgttgctcg 60  
 aaaagacaat ttttatggg tggcctaaat gggggggctt gccttttctt tttaacagtt 120  
 ttgaatttaa acccagcttt tggaaaaaga cttttaaca cactaatttg gttttttaaa 180  
 ccaccttcca tctgatctca acatgcatta ctccattcct tgaatttatt agagggtact 240  
 tatagttaat gccaccattg ggcaccacat ctcttaggat aatttccaca tgccccaatg 300  
 atttctttgg caaaaaaata aagtttttcc tcttgcctcat aacctcaata agtatcttct 360  
 catgtagagg aggctcctct agcatgaatt ggaattt 397

<210> 42357  
 <211> 348  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910043d12d1  
 <400> 42357

aaaaacatta caacaccgta aagactggga cacttogaat cagggggcat atcagggtta 60  
 tacatgacca gcgttctcgc gcacgaatat gccacaatc aattttaaata gaaaacggga 120  
 ccaccttaaa ggatccccc acaagcttaa aaccaaccg aaaaacggat gacaaaagta 180  
 atggcttata cattttgaca caatgtcaaa tacatgggaa ctaactactt ggcagacact 240  
 ggcaacaaaa aaaaaaagca tcactaccgt ggggatcact cttccctgca aactggaggc 300  
 ccctacaaag aactaaacc ttcaagaatt ggcgataggg gaatgtat 348

<210> 42358  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043e12d1

<400> 42358

gggaaaaagg ggggtaaact ttactataa aagtaaccgt aacattttct gtcttaaaaa 60  
 aatggaacat aacgtagatt tttccattcc ttaacaacgc tgtttccttt catttctctc 120  
 ccaaacaatt catttaccca caagatagga tatgactatg atctataaat aattgggaat 180  
 tcactcctgg ggtgaaaaaa atgaatcaac tcgcctaata ggcactctgat ttttccatgc 240  
 cgttcaccaa aagtttcagc actttctctc taaagaaact ctattatttt ctattccttc 300  
 gcatctgggt caaaggacac aggtagggaa ctataatctt gtgttttggg gagggaaaag 360  
 ctacgacgct ctttcccccc tggcttagaa gaagcattgc cataccaaac cattcct 417

<210> 42359  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043f10d1

<400> 42359

caaacttgat tccaagggt aaagggtaca cttgaaactg tcactatgcc aggctaagat 60  
 tcttttagtgc gacactacgt attacatggc tgaaacaagt tttgaacaag tggcgatcca 120  
 ggatttcact acgcatagt acccagcggc atgccacatc cctacatttt atatttaa 180  
 tcgtacaatt aatgcaattc cttcttcgac ttggctatgt gtacaaagga acatcagaag 240  
 ggcacgcttc tggactcttc taaatggat gtccaattaa gactctattg ctctgaagg 300  
 tttgatggta tttttcata aacataatt 329

<210> 42360  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043f12d1

<400> 42360

ggaagacaaa aaccagttta ttttacatat tgggaacggt acataaaccc ttcaggatga 60  
 aagggcattg ccataaaaac tttctacaaa caaaaaagtc caaacctttt tgggcggcct 120  
 ccatataaaa aacccccctt attagattta agccccctt agttttccaa aggccatttt 180  
 taggggcctt caaagaagtt gaccccaggg gttttaaac aaaaattgcc ttggatgaat 240  
 tgggctaccg ggaacttgcg ggccccaatt gcagttt 277

<210> 42361  
 <211> 568  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043g10d1

<400> 42361  
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 aatggatcga tatggcaaca ttatgttatt ttatgccttg acggctctaa atgggatgta 120  
 aaaagaattt gaaaaaaggg tggtaaattg ttgactggg tctgcagtg cgtttttgat 180  
 cttttatctc tatgaactaa tacaagcctg gatctcttcc aaagtttttc ctttggtttt 240  
 tgggactaat tttgctacaa atagaatagt taagaggga catccagcat acaaaaacaa 300  
 tgtaccagga gaactccagc tcataagaaa gttgaaagta tatgaaacta cccaagctcc 360  
 tagccaagcc accaaaacca ccaagcttcc agcagtcctc ttcaaagtga tgggaaatat 420  
 ctgagacatt atcacccatg gaactgatcc gagcccaatt gaaaatgctg ctatgtagat 480  
 tcagaacgcc agcaaagct aatataggta ccactcagg caataaagct tggtccttga 540  
 gaaagaaagc aaaggcagca acaaagca 568

<210> 42362  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043g11d1

<400> 42362  
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 caaatcaga ctactagta agccagcgga aggagttttc aaaaagattc ctttttcttt 120

ggccactggc cgagtcattt tttgtatcca aatagaaaca aaaaaaatt gccatccata 180  
 tgaaatgagc taggcaatag atggcatatt ttgagcttca tttgagctct ttttggactt 240  
 gtgctttgat ttcttctccc gcttcttgcc ctggtcatga gagtgatgac cccaacaaga 300  
 cttcagtttt cggttgatat gcttcaattc cttctcagaa ggacttttgt attttctaac 360  
 ccaagaatca attgcatcca gtgattcaga aagctcggac attgtatgca tgggaattctc 420  
 acgggaaaaa ataccctaa gataactgtc aaagtcaatg actctgtgga gtgcatttga 480  
 g 481

<210> 42363  
 <211> 305  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910043g12d1  
 <400> 42363

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 acgtcatatt ttggttttga cccatgtttt tcataaaaac cctgttggtt ttcgagaaaa 180  
 aaattttata aaaacaactt ttaagagacc taatcaaac tgggtgagag atccttatgg 240  
 gtacttttct ggcttccata aaaaattcat tggcttgggt ttcttgaaaa tggcaaacct 300  
 aaatt 305

<210> 42364  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910043h10d1  
 <400> 42364

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 aacaaaaaaa tttgcttgtg caaaaaagag acaatcccct tttccataat tattaataaa 120  
 aaggatttgt taaaaccaca aacattcttc atatttacat ttcaaagtaa accaaacagg 180  
 taattaatgt gagcagcaag agcctgcacc aaaaaagag ccaactctta tgctatactt 240

caattcccaa gcataacaaa tgaatgacct acttgatgac atttttttta atttgccggc 300  
 aggaatcgaa gacagatacc aggggattta aacaactcac gcatgatact taactaactg 360  
 agctagtccc ctgagctaaa cccctttaat tacttgacgg catatgaacg gatacatact 420  
 gactcaagag ccttagtgta caaagtagaa aaact 455

<210> 42365  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043h11d1

<400> 42365

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 ttagccaacg ttccaaaatt tcgaaatttc aaaaaccatt aaacttggga aaaagacggg 180  
 ttctccaatc attgggtata aaaacgtaac aggcaattaa gtcaaattta atcaacttct 240  
 tccatctggc taccctcagc atttgcatca gcgtcctaaa gaggaggcat gttagcattt 300  
 gcttcaccag cattttaata aatgctcaaa ccaagcttaa gcattcctgtg aatcctgtta 360  
 ccgaaagggt tgggatcatc aaggctgaac ccaaagttt taaaagcagt cctaaaaag 419

<210> 42366  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910043h12d1

<400> 42366

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 atatgccgtt aaatgtttgc acaaagtacg tttgcaacct tgattcactc cagaaacttg 120  
 cttcggtata gttgatcaat gcctgctata aataaaatag caacttggtc ccattatcat 180  
 cagttcataa tcaaagtttc cgtaatgctc taagattgaa ctcatgcttg ataagatttg 240  
 atctcagtaa catggaacga acatcacgat caaattccct tccagtttcc agaacccttt 300  
 gaaagggtggc attcctttga tctgcatgcc gcgcatacaa aattttgttg tgcgaatcaa 360

ttc

363

<210> 42367  
<211> 582  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910044b04a1

<400> 42367

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acgaatctat ctgcgtatct ttgcgtgct cctcttcatt tccgcctctt cgtttcagct 120  
tctccgcgct ttcgatgacc ccgatctttt acgaagtcgt tcgacgagga tttcgaagac 180  
cgttggattg tgtctcagaa agatgagtac aatgggtgtct ggaaacatgc caagagtgag 240  
ggacatgatg attatgggct tcttgtcagt gagaaagtaa ggaaatatgc tatagtaaaa 300  
gaacttgatg aggccgcggg tctcaaggat gaaacagttg ttcttcagtt tgaaactcgg 360  
cttcagaatg gccttgagtg tgggtggtgca tatctaaaat atctccgacc acaggaggct 420  
ggatggaaat ccaaggaatt tgataatgaa tctccatatt ctatcatgtt tggtcctgac 480  
aagtgtggtg ccacaaacaa agtacacttc attttcaagc ataaaaatcc caagagtggg 540  
gagtatgttg acaccatctt agaatcccc tttgtcccgct ct 582

<210> 42368  
<211> 85  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910044f03a1

<400> 42368

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
aaaaaaaaa aaaaaaaaaa aaaag 85

<210> 42369  
<211> 494  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910045g12d1

<400> 42369

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acaatctgtc tttaaccata atagaattca tatctcacat aaacctttat ttattcaaag 180  
caacttagat gcgacttggg tcagcaaaga agctgttgat ggagggcata atctcaggag 240  
ttctggcgcg cacatacttc ctgaggaaat gtcagcata cttctctccc tgagcaaagt 300  
tctgcaacac tcttgccctt ctccctcct tgctcacct gactttaggg atgatgcaga 360  
tattacgaac caagtggaat tcacagatcc caacagcggc accaagcgca gcgaacagtg 420  
gatacacctt gggctctgagc cagaggatag ccatggatag ttgcagcggg gaaaccagaa 480  
aggggggaaa gcaa 494

<210> 42370

<211> 357

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910045h12d1

<400> 42370

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taaattggcag gggccagaac agagtgcaat aaagaattgt cttgtgggcc tgacgaaccc 120  
ctcactagat ttgccttcca actggcgatg gggctcaaag atgaaagagc aaatccctgg 180  
ttctggatgt atagtgtga accaaatgac gccatggctg ggctcttttc attagagaga 240  
catgtccttt gcacaaacta cgaatttaac atgtttgagt cgagggaccc cgaaaattgc 300  
ctttcgaaca agttctgcat atggactatt tttctcacag cttaaccaac ttgaact 357

<210> 42371

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046a01d1

<400> 42371

gaatggaaga aggcatatct ttaaattgaa ttgatggggg ggaaaacccg aatttaaaga 60



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tttccaatca tacacaatat tgcaacaaca aaaagaattt taaaaaaaaa agacttttctt 120
tttttacttt ttttacccaa aacctaaagca aaatataaaa acaaacgaca cttttttttta 180
gactcttttaa atccaaaagc tgatcacaaat caaaatcaat ggcgttattt atgaaagctc 240
cataagactt caaacgacca aaagccggtt tctccattga tgttctcttc aaacatgaat 300
ttactcttca atagcaaggg gcacagactc agccaatttg cggtacttga gagcatagaa 360
catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct tccagaagcc 420
atacacacca atgagtgtca agagcctgtc cgagtaaatt tgccatgtgt acttctcatg 480
aatacgcttg agtccaccct gggagatttt 510

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<210>      42372
<211>      507
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910046a06a1

<400>      42372

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agaaagttat atggataaca aatcaccgag caataaggca tctgaggagc tggcacgtga 120
gttgcttatt gctatctctg attctttacc agataaaaact ctggattccg attttgtgcc 180
cgaaagcaag gacgcagaca gctttgcaag accaaacggt gattgggatg acaagtttag 240
gtctgaattg atttcaatct cctatgttga atctcccgat gtcaaaatct gatataattac 300
gagtctagac tgtagtaaac ttatgctacc cttctgggtt gttatgtgga tgaatttccg 360
ctgtgccaat tggtgtgaat tgattatact atgtgggcta tcttgcaacc cacatgtaga 420
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agtactctgt tatatttttg ttcatag 507

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<210>      42373
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910046a06d1

<400>      42373

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 tataatcaat tcacaacaat tggcacagcg gaaattcatc cacataacaa accagaaggg 180  
 tggcataagt tactaacagt ctagactcgt aatatatcag attttgacat cgggagattc 240  
 aacataggag attgaaatca attcagacct aaacttgtca tcccaatcac cgtttggtct 300  
 tgcaaagctg tctgcgtcct tgctttcggg cacaaaatcg gaatccagag ttttatctgg 360  
 taaagaatca gagatagcga taagcaactt acgtgccagc tccttagatg ccttattgct 420  
 cggagatttg ctatccatat aactttctgc tatttccctt tttttagcac ttgagagaag 480  
 aacgtgtttt cgcccttcac cttttttc 508

<210> 42374  
 <211> 503  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046a07d1  
 <400> 42374

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 ttctcattca gaatgctaca aggtaaattc gcaaagcgag aggacccaac agacactcgg 180  
 gaagtttaat taaatggaac aactcgaagt tggaagacat gaaaagcagt acaccagatg 240  
 ctggcagctg gaatttttca caaagaccat taatttaggc taacaaaata ctactacatt 300  
 acagtaatta ttttcacaaa aaaatattac aatcagatta gcaactgtat ttttcattgg 360  
 attctgtgca cgggtgatgt cacggcataa atatgtgggc actctaattc acgtcatctg 420  
 ataatgatct cagctaccta tgcggccaat agaattgtcg agaggaattg aagaggaagt 480  
 tcaaaaagga agccagaaac ctc 503

<210> 42375  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046a09d1

<400> 42375

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ggcacaggac atcacaagac ttttttaaga ttattactaa gcagtaatga aaacccaatt 60
tgggatggaa gccaaaacca gggttggttaac aaagtccaaa atcaaattaa gtcgggaaaa 120
tggggggggag ggagtcagct ttgccaccaa aaatgcgacc cttgggggagc gggaaaaaatt 180
caaatccggg cggttggggg acatttcctt aactggcaac cccgatgggg taccggaaaa 240
ggtgaccggg aaggtcatgc taaagggact cgttagaata cagaccccaa tatttgtcag 300
caacttggtt caccttggtt atgcatccat aacttttttg ctggaggaag ggggtcttgaa 360
ccatgccaa gtgcttatac cacaatgaca tggggaaacc gggaatttga c 411
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<210> 42376

<211> 574

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910046a10a1

<400> 42376

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taaccaatcg ccaaagttca aggcagatct ggcttaacaa aacttagcat actaacgaat 180
tatttagcat ttttacattc acttgctcaa aaaaaccaa cagctagta atattatgtt 240
tgagtcagca acggagcaat aaattcccga cacataatag taatagtagc tgcaaacgtg 300
gcagatgctt aacgaaaaac gacaatattt acatgcaacc cacggtcatt ttagctaaag 360
acttcagctt cagcggggcc tgcttctggt ctccccactg tacagcctgc aatcacatag 420
tacaacacgt ttcattatac cacagtatac atatatatca accgttgatt tctcacatga 480
tctaacggct cacatcacc caatcctttn tttacaactt tagcaagaaa aatcacataa 540
tttaaaataa aataaagaaa aatttataaa ctta 574
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<210> 42377

<211> 329

<212> DNA

<213> Glycine max

[illegible]

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actaaaaact	caccaaacga	ggtcgactga	caacatttaa	tgaagggca	tgattcaaac	180
tgtgaatgtg	gcgactgata	cgtggatgac	agctgacata	taatatttta	taaaataata	240
gttgacgtaa	atgcggtgcc	actgtggggg	cgttccttaa	ggacatcaaa	ctgatggcat	300
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<223> Clone ID: jC-qmro02910046a11d1

<400>	42378	
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gtgatcaagt aggtattcag aaaggctttc cctatccacc caggatttac ttgacataaa	180	
atcaacaaat cgattttata ttgttgtata cctgacctct aatataccca acaaaatcag	240	
atgacctttt aatttctcaa tgtaaaaata tcatatccct cttaaacata catactgttg	300	
catggtcata ataagccagc ttcaaagaga ttctctcgtc tcaaagtctc atcaacaagc	360	
ttgaaagtct tcttcacaag cttctgatca agggcagtcg cctgatagat cttgaacacg	420	
cgatctacac agtcaggagc agtgctctgg aaatacaatt cctcaaactt tttcttcaca	480	
aactcgtacg catgttcaat cttttgtttc ccttgtgaaa ctggctggta atctt	535	

<223> Clone ID: jC-gmro02910046a12a1

16956

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 taccataaag gatcacacgt atgtagacag agaccacatg gcatagcata actaatcaaa 180  
 aaacatggca tagcataaat aatcaaacc caaaaataa atgatacaag attcatccat 240  
 gaacaagaca agattcttag ctatttataa atgcacaagg cttcctgac tctccttctg 300  
 tccctgcctt cacattaatt cttcccat tctcgatgga gggtgcaaac tcagcaaaga 360  
 aattttcaac tgacccttca agcaattgga tgattagtgc ctttgtactg agttaggcaa 420  
 taatgcacca tctgactca 439

<210> 42380  
 <211> 522  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
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<400> 42380  
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 atgaaaaaaa tatgtagccc attttgatga attaaatgag cttgaaaagc cctaaataca 180  
 tttgagagaa ggggggggtgc tactatctat accaagacca gttaatatgg ccggtatctg 240  
 cgcccatggc cgccatcatt ggggggcctt cccttacttg aacttcggc attcctgtgg 300  
 ccactccac tgccaccacc gccctgcca cttttatgat gtgagggtgg ggcttgaggc 360  
 tgcatctctg gttgntgcaa gacatatcca atcctgccat cagccaaaag cataggcatc 420  
 atggccattc cagcgggagt ttgacctcct ccatataaca agggctgtgc aagacctgga 480  
 gcaccttatc ctgcccaagt gcaccatagg ccccccaac ca 522

<210> 42381  
 <211> 496  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046b07d1  
 <400> 42381

002220.032200

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tattgcctaa caatctgtga agaccatagc ccaacaccag aaacctccct agggcttatg 120  
gcatttatac tacattacat atctgtagaa caagggacaa cagaacatct tttggatata 180  
tgaatgaatt atatccaaat gcaataaaact aaatcaatct gtacaaaata aaaaaaccct 240  
tggtctctaa agactatctt tgtcttccta tattcatctt ctgtatcttt tcaacttctct 300  
tctttacaga gtaattccag cttctaaacc tttagaaatc atgaaccagt gtatacagat 360  
cataaatcaa agcttgatga catcttgccc tttcctcagt cattttatct gaggttgcag 420  
agaagttcaa caacggaacc agtcaactac ctcaaagaag cttattcctt gtgagatttt 480  
gccc aaaaga agccct 496

<210> 42382  
<211> 464  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910046b08d1

<400> 42382

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acggagataa ttttaccagt accaaatgat aaagttcaca acataaatat ttatacaaac 180  
tccccttagt ccagtatcac atcacaacca caatcaggca tatctttgta tttaatggct 240  
ggatggatat atagcagcta cagttgagac catggaatct actccacaca catttcgacc 300  
tctgcagatc ttgtaatatc cattctttcc ccagctttcg ccccatgaat tcttaatgat 360  
ccagtaaggg ttgttcttaa aacgaatggg agcatatgca ctttcaccat aaccaactag 420  
aagaaccca tgatccaaat gcttcccaca gatgtatggg catg 464

<210> 42383  
<211> 495  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910046b09d1

<400> 42383

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 taaccaattg aaggacgaag aaaaaaaaaaag aaggtccgcc tcaactaact aagacatttt 180  
 ttagtgaatc tggggcacca ctactaccgt tgagcacaat cactttaccc tcagaatcag 240  
 aatcaacttt acctgagtca cctccttaa tggttttagc aagcattttt ttagccatgc 300  
 tatcctccaa aagttgcatt atggcttttt ttagaggcct aaccccataa ctaggattat 360  
 atccttagaa aaccaccctc tccttaaate tttttggcac tgaaagatca atcttttttag 420  
 ctttcagcct ctggaacacc tccttaaaca ttatgtctgc tatctcetta acctccaatt 480  
 ttgtgagttg cctga 495

<210> 42384  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046b10a1

<400> 42384

gaacacaaat tgaatttgct gcgtttatta ctaataatta tcggaaacac aacacctggg 60  
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 gaacaaatga gttaaagaga tcactaaaaa aggactgaac ttacacagc tactcggcac 180  
 tgacatttca gagaataact ttactgttag gaatagtcgc ggacttggac acaatctata 240  
 tcaggacgtg ctagatggac attaaacaca tagaatacac ctgatctgaa ttataaacat 300  
 tggatcatca tgaggacact gtcatacttt tatttaatga actgagacag gcatacatat 360  
 gtataatttg gattgacatc aagctagctt 390

<210> 42385  
 <211> 519  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046b10d1

<400> 42385

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aaaagtaatc gctaaattca aaagcaactt gatcgaatac atcagaatga gtaaaataga 120  
 cgactctgca aaaatataaa attaaataaa acaccatctt tcaaaaacaa aatcttcaga 180  
 gcttaaaaga atgcaaacta tgggttcagg caacgaagtt tgtcactaca tggatcacct 240  
 ctaagctctt cctttttata cttaatgaat caaaaagcag ggaaattcca ttaactgaat 300  
 cacataaata ggtttggcct ggatgccttg tatgttgtct tcagcttctt agttggaggc 360  
 ctaatcttct tgaacaccaa tgggaacttg attttagaat tgtgaaactg cttggtgctc 420  
 tcccttttgc acagcttatc tgggatggtg gcagctctaa ttatctggat gcatggatgc 480  
 ctcaccctat gacgagatgc catttcagtg tacatatgc 519

<210> 42386  
 <211> 367  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046b11a1  
 <400> 42386

ataatagatt gttattccca aatttttatt caattgaaag cggaactgag atagttgtag 60  
 acaacatttt cactcaagat ttgcaacact ctggtgtttg taggaccaac acatcttggt 120  
 gtcttgtagt gactaacagc ggatcctaga cctaggtaat gatcaagaat cttctggaat 180  
 gatcctctcc gaacaagttg tagttcgagg gcaccaatgc agtacacttt gcgcgaactg 240  
 gcgtatcctg catcaacgaa agacttgctc aaacagggtac cgcattcatg gagtacttct 300  
 tggctcgctt ctgcgctgat ttcccaaaag aagacatagt gccctgggtc tttggataaa 360  
 tcaacct 367

<210> 42387  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046b11d1  
 <400> 42387

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 tctgttagcc ttgcaaatta ttctaacacc tcatcgctta gcatactact gacttcactc 120



tctgacttta ttttctttat tctgttacat cgacatttta ctcaaatac aaagcctaga 180  
 tattaattaa gttacaaat tagtcggcac tttgttattt tttattaatt aaacaaattg 240  
 tctgactcatt ctcttccaat aaactagatg gacattgcc aactttttctc aaaaacacga 300  
 ttaagaattg cagccaatcg aactcctgct tgagctaacc gcatattgac tattggcaaa 360  
 cgtgacagga agtaatcatc atttagtacg gatccttccg tggcatcttt atacgcccat 420  
 ttacaggcat ctatggtact ttcagatgcg tatgtagctg ggcatt 465

<210> 42388  
 <211> 326  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046b12d1  
 <400> 42388

acccccaaac atttttttat agttcataca gtacaaggaa ttgtctgcgt ctctgaacct 60  
 ttctttgagg gtcatcatatc attacaaaaa gaaaactgaa gtaaaatagt tcatagccta 120  
 ggttttaaaca ggggtataata aattacacga accaaaaaga atccttttaga aaatataggg 180  
 aaaaagaatc gtaggaaatg tctgtctgat ggcaacaagc accccccctc aattttgagg 240  
 gcactaatga aaggtggcac aaataaggcc ctttcaaaat ccttttagcca caactctatg 300  
 ttttattaat atcttcggca ccccca 326

<210> 42389  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046c01d1  
 <400> 42389

agtgaatta aaagaattcc attgtttctt tctggggggg gggggcgttt ttttaatttct 60  
 ttgaaccac cattttgatt ccatgcacta acaaaatggg gccaaaagaa accaaacctt 120  
 tttttctta taaagctaac gctataacct ttttcgaagc ccgacaaaaa agggcaaact 180  
 ctaaataccta tttcttaaaa aaacttttgg cacaacctcc cccttgaacg tggagaaaat 240  
 cttaccttcc ccaggcccaa ag 262

<210> 42390  
 <211> 546  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046c07d1

<400> 42390

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 agaaaaaaag agagtagagt ttgggtatat catgcagcag cgccaccaat agtgaacttc 120  
 aaactatcta ttgctctagt tttatgctca taagaaggc cattcaagat gataatgaac 180  
 cgctatgttt gctaggcaat ggtgtgtttt tccgggactg gcgctttgtt tgtacaagta 240  
 caggttcttg ctctcccag ttttcgctca ttacatcact gtcactgtca tcatcaccct 300  
 taaacaccgg atggatatat gcattctgaa ggaactctt caaattgaag tttggctctc 360  
 ttgcgcgctc caatgtgtcc ttcattcattg cttcctgtaa tggatgctta acgaaagcag 420  
 gttcatatcg tcccttgcaa tacagatgga atgatattgt cagaattggg agagtaatga 480  
 gcaatggagt tgagttagca gcttcttttg tactcaatac cccattaaca gcagctgtga 540  
 gatcac 546

<210> 42391  
 <211> 538  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046c08d1

<400> 42391

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 aatcttatat ttgaagttct taagaaagaa gtccttcta catatttgac gacgagcaag 120  
 ttaccttcgc ccgtgatttt ctaaataatt tttgattttg tctttaatta ttactatgca 180  
 gatttatttc ctaagaactt ctcaaatcat aaatcctttg gaagaaatga gatgcaccga 240  
 ggatgaaagc acacacagca ttgctaaat ggatagcgat ttccaaatga taaaacagca 300  
 aaggctactt ataaaccgta accagcaaga atatcttagc ttcatttagc cttcagaaca 360  
 tcatagtacg acgcgggttt tttctccac tcaccacaga gtttctccac ttcagcggct 420

acacgcagta cagtagcttc cgcccatggt cgaccatta ttgcaaacc tattggaagt 480

cctactttat tgtaaccaac cgggacagaa atggcaggga atcccaaaag atttgcag 538

<210> 42392

<211> 314

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046c09d1

<400> 42392

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taaccatata atggggctct taaaaattgt tggctctgaa gggttaagtt taatcaaaac 120

ccgaactttt aatttttaaac cattccctgg ttccaatcca acatcacgaa ggggtgaacc 180

accactttct cgcgcaattc acttggtggt ttttttaggc ctcaactggt tactatgacc 240

gcactttttt ttgtcggggt ttacaaccct atgatgcaa cgggcattga acttggggga 300

aaacaatttg gccc 314

<210> 42393

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046c10a1

<400> 42393

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gagaacattt tttttgcttc atcatataaa atatatatgt tctgacagag cacgtacaag 120

ttcacaaaaa aaaggggggaa gttgataaaa aaatacagga aaaaaaatc agaattgagt 180

cagagggaag gaaacataga gaaaatttta gcgatcagat cataagaagc cagcaggagt 240

gcaaaagtcc cttgccaaaga gtgttggaac cccttttagt taagcaggta cttgtcccc 300

cttgagtggc ttaccactt accatgtgaa gtcagggtca tctctgcaa agtgtccata 360

tgcagcaatc ttcaagaacc tgccctttcc acccctcttg agatcaaggt tgagggcgaa 420

catgcgcggc ctgaagtcta aactct 446

<210> 42394  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046c11a1

<400> 42394

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 tgggtccattg ccaaactttt actatTTTTT atgaattaca tttactagaa tggcactatg 120  
 tgggtttattc aaaagaagaa agcatgtcca cccaaatatt acaaagagt ggatattaaa 180  
 accaaaactc tgcctgtgtt tottatacag aaagattggt ttcagaatga acttgattga 240  
 aattgcaaga gctcccgtc agctaaaact tttggaactg ttgactttaa tttcaaactca 300  
 cttttctggg cgagatcaat gagaaccacc tgcgcagaga ctccatatat taatctatgt 360  
 cctgcaacct tgaatattct gtccaacatc catattgctt tttcttgaac ctttggattc 420  
 tcaacttg 428

<210> 42395  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910046c12a1

<400> 42395

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 tactcagaat gaaccagtta aaaacttatc aaagtataag aaaagaactg gaccatttta 180  
 aaaaacaact ctctcacct tctgcaaata aatgatcact ccaacaagag aataaaatga 240  
 aaggataaca aaagctagaa tcaaaggggt acaatctgca atgcattgct tccagacaaa 300  
 tcgtgatgat agtagtcttt cccttcaata accctatcta tcgaaacagt ttagaagcac 360  
 tttctgtgca caattgatgg accagattcg ncatattctg cctttgcaat ccacatctgc 420  
 tgggaagggtgc taagagatgc caagatagaa ccaccgatcc agacactgta ttt 473

<210> 42396

002250 ETTE60

<211> 494  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: jC-gmro02910046c12d1

<400> 42396

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cagtcgacca aactagtctt ggaattcaaa gatgaaaata ataaaccaag ccaacaaaca 180  
ttttaaaatg gacagtaact ctagaagaca tttcctaaat ggtgaccccc acgcattaat 240  
ttttatactt catatatgca tccctcgggt cttgcttga tatggggttg acaagggtag 300  
ctttgcccac agctatgtgc aggtacgaaa ctaaaaaacg cttgaaaatc ataaaccaca 360  
ttttgattaa acttgtggag nncggnnggg gagagggaat tggtagtagc agcaggctca 420  
attctacgca gcatgaacct tactcccctg gttgaaccat cttcatcacc atgggatgca 480  
taagcaaacc cacc 494

<210> 42397  
<211> 465  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910046d01d1

<400> 42397

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caaagatctt cggaacttcc acatgcttaa acttcaagac acctacagaa cattttcaga 180  
cttttaaaac ccaccacgaa gacgcaacac agggggaaga gtagactctt tctgaatgtt 240  
gtagtcagaa agagtctttc catcctccaa ttggttccca gcaaatatca acctctgctg 300  
gtctgggggg ataccctact tgtcctggat ttttgctttg acattatcga atgtgtctga 360  
cctttcaact tccaaggtaa tagtcttgcc tgtcaaagtc ttcacaaaga tttggatacc 420  
tccccttaaa cgaaggacaa ggcgaagggc ggactccttt tggat 465

<210> 42398  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d05d1

<400> 42398

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 atcttgctaa gaatgatctc tacattcgat atgacaatca ttcattgcaaa tcaacgttgg 180  
 agtaggtttg cattgattat tgcaatctgc ctggcctcaa atcacaatca tgctgatttt 240  
 tgctgaatct ttagtatctc aatacaatgt agccagctgc ttctcatatt cttaatcaag 300  
 gcagctgcta cctaagaggt gtatccactt taagacacac taatcatcgg tgccgaagta 360  
 tcgatcacca aattccccca atccagggat aacacgatac tcttcattta tttcaatgtc 420  
 aatctcagat gtgacaatct tcaatgatgg aaaccttttg cacacgcaat ggattccctc 480  
 aggagcagaa atgag 495

<210> 42399  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d06d1

<400> 42399

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 ccgcttttga gggctttggc ccattgggga gaacacccta attaaaaccc cccaaataag 180  
 ggggaaaaaa ccccttgccc ccctacttt tttttaaaac ccctttotta aacctatcca 240  
 actgtttaac ccattttttg ggaaaaaagg gctcttttgg gggggggggc ccccaaacc 300  
 ggggaattggg tttccccgtg aaaaacaaga aaaatttgaa cccggccccc aatttggttg 360  
 caacattgcc aaaactaatt ttttttttgg ggggaaaaaa gggaaccttt ttgcccc 418

<210> 42400  
 <211> 535

<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910046d08d1

<400> 42400

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attgtcaacc atccacgtta aacaggaacc ggaaaaccct tcttagccat gctatccaaa  180
acatcgttga gggcttgaca taggcccaca atctgctggt cccatcgctg caactcttca  240
gtgtcatcat caaaatgtat gacagcctca acctgatcga tagagcccct catcctatcc  300
tcataaatga ttcttgatgc tatcttctca gccttgtag gtgggatccc caacagtgtg  360
cctagctcat taaagctgat attagtatag agtttgctag cactcaaaag attatgctca  420
atcatagcac ggtccagcac agtgaaattg tctggaagaa gagcttgctg atgtggtttc  480
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<210> 42401  
<211> 372  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910046d10d1

<400> 42401

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caaacaagag acaacgagtt gttggctcat gcatagccta agatcacagt agatgggtct  180
gctatttttag ctatataagt ctgcatctat gtaattttta ccagctttgg agatgagata  240
atacagtttc atttatgata taatagactt ttattaaagc taggatcttg gctcagcttc  300
acattctaga caaggtcaag tccattgcgt ttgctacaaa gtctgcattt tttttggaga  360
aacacaacgg gg                                     .                372

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<210> 42402  
<211> 417  
<212> DNA  
<213> Glycine max

002250-ETFE560

<223> Clone ID: jC-gmro02910046d11a1

<400> 42402

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aaagacaacc atgtagcttc aggaaacacc aacgaatcga aacaagggaa agcaaactcc 180  
caaacctagc tatattcata catctaaagg gtcagtctat agatcgctag cttcttctaa 240  
cttcaataaa cacggatcca attccaacta tcttaaccac actgtgcaaa ccatcaaaaa 300  
cactatctat acaacaacca attacattgg attattacca acttcccaag tagcaatgaa 360  
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<210> 42403

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046d11d1

<400> 42403

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tggctgaaag gagagcatat tacatatatg ttatctcaac aaacaagaaa atcaatacaa 120  
acttgattaa gataccatat atatagtact agatataaat acacatattt cccagaagat 180  
cgacaaccta ataatagata catcatacat gcatcaaact agttgaagaa gcaggggctt 240  
caatttcata cttaattccc acccaaatta aagcacttaa tcttccatga ttgccaaatt 300  
aattaagtag cccatggtgt ccttcaaaaa ccttgtcata gtaatttttc ttttcttatt 360  
tttgaaagaa gaagaaaaaa aaaaaaagga ctaaaagctc tcacagccta tcttattctt 420  
cagagcaact ggttacagtt agccggggga tgaaaatact 460

<210> 42404

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046d12d1

<400> 42404



002260" ETTES60

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agtcttttat gacccatata tgtagaacac caaagcactt aagctaaacc aacaacttaa 120  
caataggact tagagattag agatttatca taaaaacaca ttttcaacat taaaaaccga 180  
aaccacacat catctagaca cttccagtca aactaaataa ctaatcaaaa ccctttccaa 240  
gatcatacaa gaagttaagg ctttccagga gattttggat catgggctgg atttggctct 300  
gttccgggggt agtcacaaat atccatcaac attctgctct ctacaatccc ttctttcatt 360  
tcttctctgc tattccttaa cgcataact ggatcctct tagccagaag atcttgact 420  
aaaggatcaa ttttcccaat catggagctt ctgatggcag gaacagcagc aaaaaatata 480  
acgcaggaaa gagtct 496

<210> 42405  
<211> 524  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910046e05d1  
  
<400> 42405

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acatagattc aaccattgcc gtccgaaaaa ccctattgat ctatacacat ccatgcatat 120  
caattccaaa caagggttg aatctaagtc catgacaccc gaatttgaaa caaaaaaacc 180  
ggaagacaca acccatttta actttaaaaa aagaagaaga aagaaaaaga aatagagaag 240  
aaataatgat atcgtaaac acttaacagt taacagtgtt gtgcagtgtt ttcacagttt 300  
ttggttctgt tctcagcaat ctgagccagc gactgcaagt tacaacgtac gatcgtgtcg 360  
acgaacacgc atgtttcttc cttagtgtta ccctgtgggt cgtcaacgac gtatgactcg 420  
atgacaagtg tcccgttccc gttggcgtgg agcgtcgtca ccgaccggtg gttcctgaag 480  
cggtgggtcg cgccgacgac gcttgaactg atgacatggc gctc 524

<210> 42406  
<211> 495  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910046e06d1

<400> 42406

agataaactc ataaacaaaa ttgaaataa acgatcagtc ttccctgaaa caaaagtttg 60

gccaaacttaa ggagaaaaaa aactcactac ccgagaatcc ataatatcaa aacagaaaca 120

ctacaaagtt tataagtgat ggcaaccaa tagaattcca gcatttccat ccaattaaca 180

taattatgct ttgaggcgtc caaagaactt ctgcttctcc tgtgtggtct ggaagcgacc 240

atgcccacac tttgaagagg tatcgataaa cttgagtttg atctcctcaa gagcaacacg 300

agaagtctgc ttaaggaggg attgacgcaa tgtaatgacc ctcttcttgg gaccaacaca 360

gcattcccttg accatgataa aatcatcctt aacaacacca tagtgaggga aaccacccat 420

tggggtaatg tctttctcgg ccctatcaaa ctcaagtaaga gcagagtgg attcatctcc 480

agctttgccca agctt 495

<210> 42407

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e07d1

<400> 42407

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ttgatcataa aaattctgca ggactcaaag ataatatata tgcacttaat ataacaaaag 120

gataaccatt taaagataca tctataaata aagggttcaa gtgttcaact caaaaagaga 180

ggcttagaaa caaatatctc tacataaact aaagaccgtg atctttatgg atcatatact 240

atctagagat atatgtgtaa cttccatctc taatcacgag caaatgattt gatttgagct 300

tcaataatth ttgatagttt gttcaaccat gtctttcaaa tccttgaaac tctggctcca 360

atttattggc catggcctgc tgaatattct gcttatgctt gtggggaaca acatgtgtgt 420

gatataagat gacattccgc tttatatcaa agtccctaata gaaatgaaac ctcatcgcat 480

aagatacttg tggatcttga aaaggaggtc tctga 515

<210> 42408

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e09d1

<400> 42408

gacccgaatg atgattcata cattcaattg aattgtggac caggtgagag cgaaagcatg 60  
 cacaaaatga taaggaaatg aacttaaattg ataacgtctg gatcatcagc cactgcagcc 120  
 aatgatcatc ggacaccgtg tcaacaggag agattacacc catgcaggcc aaccatacac 180  
 agaggaagat tccggagaga ctcaataata cacgtttttc ctctccatta tcccatgggtt 240  
 gcactattgt tatcagtgtt gggaagctgc tcgtgggtgg ggtttatgat aacaagctct 300  
 taggtaagcc caaaattctc atctactatg ggaggggagg cccagtagat ccattgggtt 360  
 gcacaagtcc agctcacgtc aggagggcct agtgtcacag cacggttcat ggttggttccg 420  
 gagaaggccc cacc 434

<210> 42409

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e10d1

<400> 42409

gaatcatcac gcgaagatta taattgttga aactgaaact gaatcttaat tctgagataa 60  
 cattcaaaat caaaccgata catgaaggat cagctataac atattaattt atagctgtgc 120  
 tgggtgcagga cacttagtag tgtgccatga aattattcta acagaaaaca acaacctaat 180  
 gacttatagc tggaattagc tacaactaca aacattgagc ttaacctaac cgtttttagg 240  
 tgctgcatag ctttcaaacg gtgggtctaa cactagtttc ttttcagaaa gttcttgtac 300  
 cattgagcag aaagcttagg gtaccttttt aagccatott tgtaatctac aaagttaa 360  
 ccaaaccgaa cagtgaacct tgcaaacat tcattacagt ccaaaaatga ccatgcaaaa 420  
 aatcccttaa cgtttgccgc agccttaatt gctgatcgaa gataaaagaa atgacgataa 480  
 taataatcaa ttcgataaat atccatgaga gcttttttca cggaaagggt tggatca 537

<210> 42410

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmro02910046e11a1

<400> 42410

gcgagataaa cataagaaat caacttttga catggacaat tctgaataca tgactgagga 60  
 tcgcaaacia caggtcctaa accaccaaat agaagcataa tgttgatcac ttcacagttt 120  
 gaataatgga gaactatatc acacagcagg agcaaaaaa aaaaagaacg aacaataatg 180  
 gttcagggtg atgtaacgaa gcatataccc ttttaactcg gaaacaatta cattgataac 240  
 aaaaaaaagc cttcgattat caatagtcct ctccttcttc atcatcttcc gtccttcag 300  
 ctccaacctc ctcatagtcc ttctcaagag cagcaaggte ctcacgagcc tcagaaaact 360  
 ccccttcttc catacctca ccaacatacc agtgaacaaa agccctcttg gcatacatca 420  
 gatcaaactt gtgggtcaatg cgagagaaca cctcagcact gcggtgttgn tgctgatcat 480  
 gcatacagca cgctg 495

<210> 42411  
 <211> 509  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046f05d1

<400> 42411

aataagaata tatcaactac gtttcaatca gagggcacca tgttaacaat aatgaaaaca 60  
 agcagaaaaa taaaatccct aaacactacg aaatccagcc acgaagacag acacagagtg 120  
 cccgaaaaca atccaaaatc ccgaaaaaga tattcaggte aagggatgaa aaaaacacaa 180  
 cattaacaga gtatcacaac aaaacacaaa caagaacacc ctgcaaatca ctactattgt 240  
 tttaaacctc atcttcctga ggggtcttct catcttcata ctcatagccc tcatcatcag 300  
 cagttgcatc ttggtattgc tgggtactcg acacaaggte attcatgttg ctctcagctt 360  
 cagaaaactc catttcatcc ataccttctc cagtgtacca atgcaagaag gcctttctgc 420  
 ggaacatagc tgtgaattgc tcaactaccc tcctgaacat ttcttgaata gaggtagagt 480  
 tgccaatgaa agttgatgcc attttcaac 509

<210> 42412

<211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046f07d1

<400> 42412

ggataccatc cataaggcct tcctggatta ccataaatgg tgggtgcatt atcggctagt 60  
 cgttgagcgg gttgatgata aacatccttg tacagctaca aagggggatt ttaaggggaa 120  
 ttaaaacaca ggctgacacc acgctatttc accttgctat aaaacacaat tgttttcaaa 180  
 tcttgggatt gtatttggct gaacagtata ctactcattt ccggatttac agagttgacc 240  
 cggatactct ttagtgccat 260

<210> 42413  
 <211> 415  
 <212> DNA  
 <213> Glycine max.

<223> Clone ID: jC-gmro02910046f09a1

<400> 42413

catacataaa atgacattta atgattcaac atgtagcgac atcaaggaca aagaaatatg 60  
 aatgccgccg agtcatctac cataatacac cactgcgctg ccgttacgat attcacaggc 120  
 cgaagaattc gtgcaatgag acaagcggcg gatacgtaat aatgaataag aaacctacaa 180  
 tgctccatcc acctctgaat tacaacgaag aaaagagaat aagctatgat tgcgccctgg 240  
 cacgtgaaac agacgatacc tttagtacta gcacagcatg cgtatggata caacacatgg 300  
 ggccccagaa aggcgatgatg aagaggcaac acctggctga tagttaagca ctacccaaca 360  
 tgagaaatta ctttgtgggc tatagaggcc acgctggcat gataagcgta caagc 415

<210> 42414  
 <211> 533  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046f09d1

<400> 42414

gaaacatgtc aaattaaatt ccaacacaaa attaataat aaaaaaatga tgcactgcag 60

0953113.032200

gtttcaactg ctccatccca cagaaatata tgggcaaaaa aagaaaagaa aaactccatt 120  
ttttaatctg aatcctgggtg gcagatatgt aaacatcctt tagtatctgt cgtaggagag 180  
ctacaatcac attttcttct tcaattgcaa gccaaacaca atttgaaaca ttgattgcac 240  
cttctctttc agaagaagat acagaaatag agggaaagaa tattaggatt gaaaggaggg 300  
gaagaggaaa aaaaaagaga tgctgccccat ccagtaacaa aataagggtt cctgccaatc 360  
caggaatttc aaaacagcca cttctggatc ctttttctaa aagctctctg aagggcactt 420  
gtagtgtgag agttaatagt gtatatgtat gctccaaccc actgtggttg gtaagatggg 480  
aaaagaataa gccttctcca cagcaatatg atgtgaccat gcaaatacac att 533

<210> 42415  
<211> 490  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910046f11a1  
  
<400> 42415

accaaataaa cagtgaatgt taactcctga tgacctgcaa tgcaagggtg ggtatccaaa 60  
ctgtacaaga agcacagttg ggaataaata gccgtttttt tatttttgtg aacaaggaga 120  
tgctagatac tttcttagtc aacttgacaa gagattataa aacaatcagc ataaacacta 180  
agcacaataa acaatcagaa tgttttcact gtctgaggaa atttacagca gcccaaattg 240  
ggaagatcat gataatgcct tcaacttgtc tgaacattcg tcatgatctg ctggtgcttt 300  
gaagttcttc actgatttac ccaagacatt taaaacagca acacgctgta attcttttagc 360  
ttctctaat gaaagctgaa ttgatctctt ctctaactca acagcatgct tgctaagttc 420  
aactgaggac agggagcgaa gcatttggtat atattcttct tgatctgatt gggccaattc 480  
ctcaaaaaca 490

<210> 42416  
<211> 451  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910046f12a1  
  
<400> 42416

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 tattgctagc ggaggataat agataaagac tagtttaaaa tgctagaagc caagaggctc 120  
 ttgacatgaa acggcgaaca gagatgaaac ttgaaggaac acacatgtga agttgaagct 180  
 caagggtatg tttcagaggc tgggacaggg gcataggaac caactgagac gtctccataa 240  
 atcaagccag tcaaacctcc tccaatcaat gggcgcaacc caggatatcc agttagcagc 300  
 caagactaca ctgaccacag ctgggccgaa tgagcgagct gggttcattg aaccgccgct 360  
 gaatgggcct gctgctaaca tgttgtagcc cacaacgaac ccaatagcaa tgggtgcaaa 420  
 gataccaat gaccccttct ttgggtctac t 451

<210> 42417  
 <211> 539  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046f12d1  
 <400> 42417

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 atgtgcccta ttcttctcag cctccagcaa cccaagtgtt tttgtttcag cagcagctcg 120  
 tttttggtga attgcagcac gtacacactc tttatattta ctttctcgag ccattccttct 180  
 catcaatgtc tgagatgacc tttctctatg agaagccctt ctttgctga gagccttgag 240  
 aataagcatc ctattagcct ctgctgctg aaccctgat tcaacttttg ttccaagcct 300  
 cacacgttca ttctcatagc gcatttctac tccactttta gctgcttgac gcaattcatc 360  
 cagtcttgct aaacgcattt gggccttagt caagatgctc aacctcttct gttcagcagc 420  
 ctgcagtttt gcttccagtc tctgaccaag atcttctctc tgagatgaac accttgaggg 480  
 gcttcttggc tttgcacgtg ccttgcttga gagtttctca tagtatttct gtctgcgaa 539

<210> 42418  
 <211> 522  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046g06d1  
 <400> 42418

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 caagtatgac atgatcgacc agcccatttt acacgataat aatctatttt aatgtggcaa 120  
 cctggctaac ttgccctggt gaaagggaag aagagtgaaa gaagagacaa atagctgaaa 180  
 tgtcatccac ggcaatgccc cgtctcttgc gtttccatgc atgcaccgca cactccacca 240  
 aacgttttagc tgccttagct ttatctgctg ctgaagatac aatatccact gcttctttat 300  
 tagagattac atcccaaacc ccatcagtgg ctagcacaac aaactgggtct ctactagtta 360  
 tatttctgtg tgttacctca ggcacagaaa taagaccatg ccctttgatg cagtagtcac 420  
 caaaggccct agacatgggt agtcccggag actttttatt cggttaaccac accctatgca 480  
 cccctggctc gttctttaag cagaacacac gccctggca ct 522

<210> 42419  
 <211> 495  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046g09d1  
 <400> 42419

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 atggtatatg gcgttcacaa aacaacagac accacagttt tttagggggg gaaaatgaaa 120  
 atggggcatg cacttactac ataacaaagt gtacctatga caaaatatta ctaccgttat 180  
 ttaatcctaa atgctcctgt atatttatcc ttcaatagaa aaacctgcat ttgttatcag 240  
 aaccggtgcc agccaccac tcccactatc catgggtttac ccgttttagaa taagtatcga 300  
 tactaagtaa ctcatctgct ttccgtaacg ggaaggtaga caccttctgc tgccaaccac 360  
 acattgtcag cacgcttttc acgaacacca caaaccttct gctgaccccc agcaatacga 420  
 ctgtatttct tatcatgact atgtagatag cctccagtgt taatatgctg aaggcgaatc 480  
 ctttgatcct gcttt 495

<210> 42420  
 <211> 522  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046g10d1



<400> 42420

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 gaaatgataa acattgattc aaaacctgcc tcaaaattaa catactatca cagaaaagat 120  
 tgagctatag ttgacgaaac tgataacaca atcctacagc gaactcaatc taactaaaca 180  
 attgcctggg acttgttaag gatcactccc tcatatttca cctggaacca cttcatagca 240  
 tcctcctttg tgacacggtg ctgaattcca acccgggact tgcacctgcg ggcaggtcca 300  
 acacgatagc caggacgctc cagaacaaca aagaaatcca ttccataaat accagttgaa 360  
 ggatcatact tgattcccaa atcgatatgc tcctgaatac caaagccgaa gcaaccagta 420  
 tcaactgaaat tccttctgag aagttcatat tccttaacct ttaaaccact ctccaaaagt 480  
 tgcattgcct tgtcacctct gacaatgaca tagcatgcaa tc 522

<210> 42421

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046g11d1

<400> 42421

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 cagagatgac agaagagaat aacttaaaaa agaaaaatga cacactaaag gggaagaaca 120  
 ccacagagga aagtgcaaac ggctccccct gtcatgaaag agactttaat ctacacttat 180  
 ccacaatctt gaagacataa tcgagagggg caaagaatcg ttgcaaatac aaagccaaaa 240  
 gcatttccca ttattaaact tgccatatca acctccatct ctccaattat cttctttcca 300  
 ctagagccat catcatgaag agaaagacat ctcaattatg ggggttactc ctgaatgatc 360  
 caagggcctt ggctgcacct gctctcaaga tgaactggtg gtagaaggct gcaatggctg 420  
 cccaataaaa tggctctacc caaaagatcc aatggtcac ccatggctta tcttggttgt 480  
 agataacagc agctccaaga ctctagcag gggtgatacc agtgccagtg actgggatg 539

<210> 42422

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046g12a1

<400> 42422

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gagacagcaa aggctagata tcgttttggt aaaaaaattt acaacaatga ctcagtgata  120
accaatagga gctggagcct cttttaattc cttcccttga tgatgaatat cagaagcaaa  180
gtggttaaca tccctgtgat gagcctcatc agcgcgaaac acagtgacaa catccttgag  240
agttgcatcc ttgggaagcc tccagtagtc catagcaatg gcaggggcag ggacattttc  300
aactttacca ctctcaatgg catttaaatt ctgagtgatg gaaatcac                 348

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<210> 42423

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046h06d1

<400> 42423

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catcaggaat gttatttatt ttatttattt tgaaaaagaa aagaaaaaca atttagctcc   60
aaactattgt agtttcaaag tccagaatat cctatttcaa taaatatctg gaaaaaaatc  120
tgtcccgatg ttgggggaaaa aggtacacta tccgttcctc caatgcatat tacattcagc  180
cctgcaagga cactcaataa aaaaaaaaaa tccatgttat aggcatattc cgttacaata  240
attcaaccta aaataaccag tgggtgaaca caaagccagg ggaaaattcc tttccttcaa  300
caaggtatat agactgaatc atttatgttc tcaatatctg gagaatcatg agaccctgc   360
tgttcatgta tcagtaccac ttagttaact tgcattactg gccatctctt gtttgattag  420
tttttgaatc agaatcatgt tcatcatcat gtgatgtcaa gcccaaactt aagtccaatg  480
tgctttcatt cagatcttgg cgcaccactt gatttttgta ctgagactga ctt         533

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<210> 42424

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046h08d1

<400> 42424

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 ttgctcgccc actgatgtca tgtaagggct atctgttcga atgggggctg ctcatgaaa 180  
 cgccccatgc agcattttta tctgaacata tgggcttaca gcttctttca ttaaaggatc 240  
 caccagttcc accacacttc ctttattata cttcctgacg gcccatctgg gtgtaacccg 300  
 ctgtgcaaca gatttattca actcaacagg acggggggct gttacaatth ctaaaagcaa 360  
 aattccaaat gaataaacgt cactcttggg agtgagatgg tatggtttca tatactcggc 420  
 gtccaaataa ccaactgac cctttacttt ggttgaaatg tgtgcttgat cagggtcac 480  
 tggctctagc cttgcaaata caaaatcagc aacttttagct cgcattgcttt 530

<210> 42425  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046h09a1  
 <400> 42425

atgtgtgaat gttgaacgtg agaggtgccg tgcctggaga gaagccacct cccagtaatg 60  
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 aaggaagctg acctggcaac aaatgcactg gctataccaa tcctaagaca aaaaccgggg 180  
 cttttaatgg aacggaagcg ccatgaaggg agtcgatcaa caataggaat cggacaggga 240  
 tgcgggactc aatgaggttt gtacgtgaag accgcttgcg agcatatgga acatgatgcc 300  
 cctgacggaa atgaaaattc tgggctcaag aagttgggag atgacatatg ggggtggctc 360  
 aacgagagat ccgttgagc atactacatc cctt 394

<210> 42426  
 <211> 386  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910046h10d1  
 <400> 42426

ggataccaac cacaaggcct cgctggatta ccatcaatth tcattgcact aacggcttgt 60

tgctgaaagg gtagacgata aacaaccttg tacagctaca aggtgggatac gtatgggaaa 120  
 gaaaagacag gctgatgtca ccctatatca cctggctata aaacacactt gagtacatac 180  
 tagggattgt atatactga actttatact actcattccc gcatttacag aattgaacgg 240  
 atactcttta gagccatcac atatategac gcgaagcagt cactgataag caccgagtat 300  
 gcctccttta cgacttcctg ttaagttttg caactggatt gcttcttggc agttacctac 360  
 ttacataca cggatctgag agctgc 386

<210> 42427  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h11a1

<400> 42427  
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 tccaacccc caagtcacaa aaaaagttgc aaaagacaac acgcattttt cgaagagtca 120  
 aaaccataa attctgcaca atattactat aaacacgttg gccatcaaga tatggaatca 180  
 gggcaciaat ttaatgtctt tgaagtattc atgctccaca gggctcctgg cggtaatctt 240  
 tttggtggga tccacgctat gcttattcga aagaagatta ataccaggtg cctcaagatt 300  
 gggaaccaca tttggttagt ccttggatgg ccatttggga aatggtgatt tgaaatcagg 360  
 cagtgaaggt actccaggcc atgagtattc atttggggga cccaagattt tgaatatttt 420  
 aa 422

<210> 42428  
 <211> 514  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h11d1

<400> 42428  
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 aaactcaaat tagaatgtat gggtatatat aatatacttt cacttatatt tggtacaaca 120  
 ttgtcaaaaa tatttgattc caagtatctg gaactccagg caaacaccaa tgaatgcaat 180

ctgcatttct tggattggcc ttttctcct cagtcaatag ctttcccccg gtttcagtgt 240  
 aaacagagga atgtgcatca atoctatact ctgagatttg tggtatgttg ataaatgtca 300  
 ctggaacttt cattttcttc accacttttt ccaccacgt catcatgccc ttattagagc 360  
 cacttcccca atgattcttt ttccctattg gctttgtctc gttgaaacat ttgataccat 420  
 ctttgttgcc ccagtctaag cttcttgtgt gtgttgggga catagtgttg aagaagacgc 480  
 tggttttgtt tggataatag ttgaatcaac ccaa 514

<210> 42429  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h12a1

<400> 42429  
 attgaaaata ctatctttca agcaaaattc ggaaaataat aatttgaacc aacaccgatg 60  
 caaaattcta ttagagcaaa aatacatctg tgcaggggcc aaataacagc attacaacat 120  
 tcacgggcaa aaccacaaac aaaactaaca gaaattaaat ctaaagtagc attgttcaca 180  
 agagaaaata aattcgacta agttcaaagt aaaataattc atgaaacaaa tttaaagctt 240  
 gtcttcaaac tccgagagag gagtgatctg tgccttcaag ccctatctat tgtgaatgtc 300  
 agtgacaagc tgtgc 315

<210> 42430  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047a03d1

<400> 42430  
 caattcaaaa ttattattta ttgaaacgcc attaatcagg aatatgagag actgtaattg 60  
 gtccaatgta aaaaccgtaa cttacaaacc aaacatgagt cattcagaaa ttgtttacac 120  
 tctcaggtgc agattaagca ttgacagata acaataaaca tccattattc aacttcaaatt 180  
 gggcctgaag ccccgtaaaa gcagcagcac ataaaacatt cagaaactgt gacaaagtat 240  
 tgtacggaca caatctccat ctaacatgag tgcttttttag caaggtaaac taccatgtaa 300

ttgcttatta taaaatagct tCGatgccaa gaaaaataaa ccgaatcgac ctcaactttgt 360  
ccaccagtgg aggaagtctt tgcgcttatt gatctttttc tgc 403

<210> 42431  
<211> 319  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047a05d1

<400> 42431

gaaaaaaatg cttggggaaa ttaattgagg gaagctaggg attcaatgtg gctgcaggag 60  
aaggcctaac ctgaaaaaga agaagaacta ctccatttaa caacatgggg tgcaacttcc 120  
cttgctatcc taccttgagc gctggttggt gaaacacata attacattct cattcaccca 180  
tttcttaaca agcctaattct aattaacaca aaatgggaaa cgttcatgct ctcttcccac 240  
taaaagttgc atttcgacac ttcccattgc gccattgctt aacaacttca ttgtaccctt 300  
cagaagaatc caaagctaa 319

<210> 42432  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047a06d1

<400> 42432

caattcatag gaatagggtc ttttaaaata tccaaaattt actattcaaa atatatttca 60  
tagtaacata aattattttt atcgttttcc aatgaaactt ttaataactt aatattatac 120  
aaaaaataaa taaaaatatt attaaaaaaa ttaccaattc tacattatta taactatata 180  
gtcattgttg ttaaatttca tttaaaaata aacctttgag ataaattt 228

<210> 42433  
<211> 435  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047a07d1

<400> 42433

ccaaaagaca gatgtgaact ttttattcag agaaacaaac attgttacat cctcgggtag 60  
 ataacaatat tctctcttta tccatctaatt tgatgacata ctacaagtct aaaccaaatt 120  
 acatgctaca acaaaaggac ttccccaccc catgactact acaacatgcc ttgtctagct 180  
 attaggatca acaacccttt ttctccacta catgatacta atactagggtg tcttacaaca 240  
 aacctcccc ctctctctct gcttgactcc aacaattccc tcaatgctta attacaacaa 300  
 aacccttctc ctgatacaac aatgcatcaa acaccaagtc ttaaaaagga ctcaaacttg 360  
 gatctctatt gaccatctgt acatctctc tggagaaact ggaatggaga aggttgtcac 420  
 cccgtctctg agtca 435

<210> 42434  
 <211> 439  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910047a08d1  
 <400> 42434

gttaaaaata gtatattgcc tgaaagttat atatataattg catgaaagag actgatcatt 60  
 tgaaaacaaa aaaagatgcc cggggacatg ggtctgcatt atacgtagaa ctatctactt 120  
 taacaggaga atttattcag taaaactggg ggtgcatcaa gagaagggtcc acaacttgtc 180  
 cattaattca atcacacagg aaccctaac tcgttgatct tcattatccg tttgttcagc 240  
 gaagatctct gacgcttcaa atttgaagcc atggaagcaa cctcagctcg aagtgccaga 300  
 gcttcacgac taggtatata ccgcagcttg tcaagcaaatt cagcagctcg gggttcaacc 360  
 ttgtatgctg attttgccag ctgttgaaat tgggttcagg cactcactat ttccgtatgc 420  
 ccatatttca ttttcttct 439

<210> 42435  
 <211> 345  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910047a09d1  
 <400> 42435

aaaactaact gcaaatattt ataaatttaa attacaagtc ccattttcct aatatatagg 60

gacacatcat ggatgggtat acatgaatag ctaaaacacc acaggtaaaa cattagtgt 120  
 caccatgact tacaacaatg gagtgaagtg atatcccccc ttagacctcc ttatgagcgt 180  
 gggcattttg tgaaaaaaaa aatgtcatgg taggatatga ggaggagagg gattaagtac 240  
 ttaagtggca catatattat tgcacacgtg gggaatgtcc aattgagatg aaaaactctc 300  
 tgaactctct tttcctaagc ttggggaccc ttttacactc tgggt 345

<210> 42436  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b02d1

<400> 42436  
 ggggaaaacc cccccccctc tcaaaaaagg gggggaaaaa aggggggtta aaaaaatttt 60  
 ttcaaaaggg ggggttaaatt ttaaggaaaa tttttttttc ttagatctaa aaaaaaagc 120  
 ccaaaagaaa acccccacaaa agcccccttt ggggcaaaaa aaaaaagggg gggggggggg 180  
 tttccccctt tacccccggg ggaagagtcc caccaaaagg cccttggtta aatgggggaa 240  
 aatatgggaa gaaggggaaa caatgggggt tttttcccc aaatggaatt tttcccaccg 300  
 gggggggggc ttttttaaaa aaattggaaa aaacctggaa ggggtgccct aaaaaggag 360  
 ggggttaaaat tttttgggg 379

<210> 42437  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b03d1

<400> 42437  
 aatattgaaa tttaacttct atatttcggg gcggttatac aacacatgaa aaaggaggga 60  
 ggaaatctgc cccctttcaa tgggtcaaat aaataaatgt ccgatactct aaccaatat 120  
 ttacctcaca aaaaaaaaaa aaaaaaaga ttgacacatc gcgctcttca cataccaaat 180  
 ctcaactttc aaacgaattg actaggcaaa gaaaaaaaaa aaaaaagag acctctgaag 240  
 ataaaataca gagccacttt catcatgatc cacctaccaa caggtagcgg gggtaaaaac 300



acgctcaaaa catgacaact agaccaccaa ttggtatggc ctctcagctt cat 353

<210> 42438  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b05d1

<400> 42438

ggattactag cgtatttggc catacataac gaacggggat gctgacattt taacattagt 60

cactacctaa acatattacg tcttttacct atatgatatg aggacatggg tggatgaacga 120

gttttgaaac actcatgtac cctcatagct ggatgataac ccattttatg tgttt 175

<210> 42439  
 <211> 507  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b06d1

<400> 42439

acttaatacc tattggtatt tctccctttt ctagtaaaag ggacgatgta aatgaacatg 60

tttaaaaatt aatgtcagat gtagctttta caacatcaag actcaagtaa accaaaaaca 120

taacaaattt gaatactatg acacattacc cagttgatta tgttctaaga tacgcaacca 180

atacaatagc cagcataagg tgtaaaaatt gcacgggaag acctcacacc attcaactct 240

tgaaagaaat tcaatcatcg aactcatga ggaaaatgat tgtagcgctc tatcaaaact 300

ttcttcagct gatgataccc gtttgaccaa tacatgctct gggtgagaaa gtttcagctg 360

gctgaatgat ttgttagatg gtttgccgag atgaagacag catacaacta gattggctag 420

agtttctgga tccctggcat ccttgттаag agcttcaacc aaaagggctc cagcttcgctc 480

gaagttggcc atgtgcatgc agcaaac 507

<210> 42440  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b07d1

002220.03220

<400> 42440

gcttgcaaat ttccccgcatc ctcaggaagc tcaatctctt tcgtaaattgg gattcatcaa 60  
tatttacatg ttacagcaaa atttggattg aaatacatat agcacaaatg ggaaagaagg 120  
aaaggtagga gatctaatac atgagaaaag gacgggggaa aaatgaatat tcaatccaat 180  
ttatgaccca tgcttcacat tttggacttc attgtcaatg ctgggaagaa tcatacacgg 240  
acaaactatt ggcagaaatt ttatgaatct caattgtgcc aaaaatcaat atttcagaga 300  
at 302

<210> 42441

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047b08d1

<400> 42441

atgaaacaat agtaccgggg tacttaatta aatactaaat agccttttaa acaaattctca 60  
caaattctaca aaaattatat ttatcgttcc ccaatgaaac ctttaacaac ggaatcacac 120  
acctccctaa aataaaatca caatccaaat aactaccaca actccattat taatagtacc 180  
cagtccaccc tgttaaatt 199

<210> 42442

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910047b10d1

<400> 42442

ccaactaaaa tcgcggttgc taattatfff ttaaaatcag gggtgaaata acctgttfa 60  
ttacaggata aaaaagcact ctaatgaaga aggggggaaaa tggaaagcat gaatcctgct 120  
tagctagcgg aaggaatcct atacttctga agcgcacaa tgaaatcttg aatatactta 180  
ttatgaaggt cttcggaact gaaaaccttg cccatgtcct tggcattctc tcttagagga 240  
ctcccttgct catacacaat cgcaaaccctc aatgttttag ccacatttgc cctagttaaa 300  
gacccatctt tctcgtgttg tggaaacctc acagacactt gatttttctt cagcacctct 360

caaaacagac attggtcaag ctaatagggc agagtcacaa gncgtgccc aaaatgaacc 420

tttttatata cagagccaga gccacaatga ctcatgcacc ctccaattgt tccatgag 478

<210> 42443

<211> 396

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c01d1

<400> 42443

gaacttgact aacaaattta atattaagat ttggctgcca acaatactga gaatgattta 60

agggtgacata tcaagttaca caacttttat ttagtctcta tgagaacctg aattcctccc 120

tgactaactg aaacattgga aagctttaac ttgatagctt caaactctgc attttccatc 180

tcctggctag acaaccagag aggtaaacaa tgatcaatca agtcctgtcc acaactaaag 240

ggtgaacctc ccttaaaaact ccaggttctc ccaaacctag taattgttgc taggttagaa 300

tcagaaggct ccttagcata acactcta atctccctga tggcattgca ccagatagggc 360

cgagctacct taaggaagtc atgcaacact atcact 396

<210> 42444

<211> 574

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c02d1

<400> 42444

ctgtgaattc atgggtttca ctattattgc atcaagtgtc attggctata tatagagaat 60

gcttaaatca tggtttgata aaaaaaagtc tacaagaaaa tactcaaaat atatataaga 120

aaaaaacaaa catgaacaac tgatgcattt gcaattatac aacagtagtg tgctttctct 180

tttacttgta cttttgtaat tcccaaatac gttgcacaaa aaaagttcac ttatttgggt 240

gtcccgaaag aagcaaacta tctttcgttt acatacagga tccaagagag ttgttttttg 300

gcataatact gaatggaata tcattgattg tgaattagat ccagtatata actatggcat 360

cttcgacaaa ttagaatgtc cgcgagtatt tccataattc atacatgatt gaagatatgg 420

aaacaagatc cttgttcaat gcagaaccac caacgatcct cttgatgcaa tccgagagtc 480

002220"ETT560

ttgtgttata aagcaacaac tgagtcaacg cagcccttaa gatctccata ccacacaaga 540  
agttgcttga agaagtgata acgtctttat gcat 574

<210> 42445  
<211> 517  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047c03d1  
  
<400> 42445

aagaaatcct ctcgtcattt atttatacta aaaggcaata gctaataaat caatagcctt 60  
tcgggctgag tatagccata acaggattag gggatctttc cttaaatacag ctaatacccc 120  
caaatagtta catacaaaca gaacaatgta aaaataaaag ggcaaaatta tgacgccgtg 180  
atccaacgac tgttcctcgg ctgggttttt cctcatatat acgcacatcc aaaccaagac 240  
caagtaacaa tttcaatttc agattccgcg caaaccocgg ttcctaaggt caagaaaatt 300  
actacagtag tagacatggc gatgtaagtc gtttcaattc acaaagcagc atcgagaaac 360  
aaatgctgca agttaatttt gctacccttt caattgttca ttgttcctat aacaccaaca 420  
cacgggcaat gcacaaaaag cctgtaccat gactgcttaa ggatcccgac tcagcgtctt 480  
cgcaagctga accaaataag aagatgcacc tacggat 517

<210> 42446  
<211> 131  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047c06d1  
  
<400> 42446

aaaataatgg gacaaggatt cttaatctaa cacaacatat accttaaaat ccaaattctca 60  
cattttcaaa actaacattc actaattccc tatgcccccc ttaacgattg actcacaccc 120  
atacacaaaa t 131

<210> 42447  
<211> 225  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047c07d1

<400> 42447

aaaaccatgg ggacaggggc cacaaaccat gacgaccaat tcctttcata aaagtaacca 60  
aacctacaaa aaatctactt actgatcccc aacccacaaa ctaacgggtt aatctacctc 120  
acaaacaaaa cagtataaac acccataaaa catcctcacc tcaattaatg ttgaaaagag 180  
gcccgtgtga ttaaattaaa tacacggatg aactatttgc tccta 225

<210> 42448

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c09d1

<400> 42448

aatttcccgg gtacgacgac gtcactagt gcggcggacc gccctttttt tcttttcttt 60  
tt 62

<210> 42449

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910047c10d1

<400> 42449

agccacacaa gtttttgctt gtcacaagct ctgtaccctc tctctgtggt gctctgcttc 60  
cctcaaaatc aaaccttgat aatatgcaaa tctcctaate caaaaatcaa caagagcaag 120  
cgttacccaa tggaagctga aaggcccca ctttcacaac acaactctaa cactaagccc 180  
ctctctcgcc tcaacgaata cgtagccaaa accagagttg gcaaattggt caagctctac 240  
caacgcaact ccaccttcac caccgagctc cgcgccggca ccgacacctt cctcaccatg 300  
gctacatcc tcaccgncaa cgctncatc ctatccgact ccggcggcac ctgctccgta 360  
tacgattgag tgcattctctg ctacagacca tccatactc tctccgcctg ctcgggccta 420  
tcccttcgag tgatccagac cgacgcctcc tgcaaattag cccggataac ccgggctacg 480

002250.032200

<210> 42450  
<211> 455  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047c11d1

<400> 42450

gaactgaaat ttttatTTaa ttgctacaac acaatgcaac agcatatctt cagtttttct 60  
actagtaagt acatactaata gatacactga aatcgcaaac acatcaatta aagtactttt 120  
ttttctcacc aataaaaagta cttgataaac tgaaaaggct ccattgccat atattggtaa 180  
atgataattc cttgacaaaat attactaaca tatttttttca cacattcttt attaataatt 240  
aaaattttatt aaaaaataaa ttatcttagg ttacttctta ttattagagt ttattgcact 300  
aacactcctt taattgcttc aggacaaaac ttagatatac ttttgtaagg gttgggtgtc 360  
ttcttctcca atcaaaaatta aaatctgatt ttgataatcg gggtaataaa gggttgcaac 420  
aaagattaca tggattatca aaataaaaact tcaac 455

<210> 42451  
<211> 175  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047d04d1

<400> 42451

attgagatac catggaaccg gggggcttaa ttcattacaa attcgctgac aaactcaaca 60  
tatgtcattg gcttagaaaa gttccaccgt gaaagagaac aactggtaac aagtttgtaa 120  
tggacacgga tgaaataaag atgacaagca tattcgggcg aagttggctg tataa 175

<210> 42452  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047d05d1

<400> 42452

caacctatgg gatccggggg attaattttt gaagaattag cggaatgagg ttaaattgca 60

tcatgaaata gtgtatttaa tccgtggaag agaacgaagt gaatcatgat ggtaatggac 120  
 acggttgttc ttatgatgac gagaaaattg gggtgggttc ggatggatat tccgatgtca 180  
 acggttcggg tcaaaaagga accgtgggag aagtttaagc tgatattgca agaaggtgtg 240  
 atttccaaag ggactccac tcagggggt 269

<210> 42453  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047d06d1

<400> 42453

attcaatggg acaagggttc ttaatTTTT agtagatagc cttttcattt catttgaata 60  
 agttatatat ataattgttg tggTTTTTaa ccgaaatttt aattcacgga ataacatccc 120  
 accttaaaat aaatatgaca tctataaaat atccaaattc cttttttaaa ctgac 176

<210> 42454  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047d07d1

<400> 42454

atattgaatt ttttatTTac aataccttgg ggcccgagc ccaaactctc taattacaat 60  
 cctaataaa aaaatctttc aatttttaaaa ataataacat tctt 104

<210> 42455  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e02d1

<400> 42455

caaatgatta tgtaaacctt tgtatcgac aaatatttta aaagggggac aggtccctgg 60  
 ttcattacct aatggttacc aaagccgaaa agaccacat gtttgagcac cacctcatat 120  
 ttcactatTT acaaaattaa ctttttagga agtttgggac ttaaaacctt aatggggggg 180

ccactcttat tttaataggc accgagactt aagttacaga actttttatt tgtttaccaa 240  
 aggctattcc aaaattcctt tttttcacca acatcttgag ggcgcttcca ccattccaca 300  
 tacattacat gggaatattt gattacagcc agacacactg catatatgct actgtgtggg 360  
 gggctttgct acatatggcc acaagatttt gtggcaca 398

<210> 42456  
 <211> 493  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e03d1

<400> 42456

agcaaaaagc aacaggggta acaatagtaa tcaaaatgaa aagtctgccc tagttaagga 60  
 taatgaattg gtattttgaa gggttctgat gctagttata catataccaa agcctaaatt 120  
 aaacattcac tcatcaatag aacattttta gggttccagt gggaaaaaaa aggaaggggg 180  
 ttttgacat gttacatgag ggttcacttt caatatttaa gggaggttg aggttaccca 240  
 ttttccaatg ggaattgagg gaccttatgg ttattaccaa catttattgg gagctgggca 300  
 actgttttga accatgtttt tggcaagttg gcagggaact tattgtcccc cgaaaaaacc 360  
 tcggggaaaa cctgaacttt ggtggccgga agccctgcca gttcaaatgc attgattttg 420  
 ggtagatatg ggtaataaac aactgggcgg gcagtgacaa gaacaactac gcattgaata 480  
 gccccccaca cat 493

<210> 42457  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e04d1

<400> 42457

attaaatctt tttttccatt ttaggaaatc atgggatagg gggactgaat aaatgacaac 60  
 attgggggtt aaccatatgt gacagatctt cgtaaatttt atacattgag cgagaatgaa 120  
 accttaaca acggaatctc tcacctgcct taaatagaag ggtaggccga atcaggttga 180  
 catgaacttt gtaatgtgct catcttcaac cttgggggaa tcaatttaca gattaccctt 240



002220 "ETTES"

ttgggtccctt gataaaaatg cggagtatgc gaatgaccaa tatgctagag acacaattat 300  
cact 304

<210> 42458  
<211> 315  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047e05d1  
  
<400> 42458

agaaaaccat gggtagaggg tgcttacttt aatggatcat tggggactaa taaaatctgt 60  
caaatctaca tgtatttctt tcatggtacg agaaggccac cgttttacaag gaaatcacgc 120  
ctccacccta aaaggaactg agaaggctat tcaagacccc aacaacttta tagtagcgct 180  
cgactgcaaa gctggggggcc tagattgacg agggaaacttt ttggcgtctt tatatgcatg 240  
cagagtcccg gaatacataa aagtcttggg gtacacatat cataagacac ctctgttact 300  
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<210> 42459  
<211> 234  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047e06d1  
  
<400> 42459

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aaagccacaa aaatcccatc caggggttcgc cagatgaaac ccataaccac ggaatcacac 120  
accagcataa aggaaaaata tcgaccaaat caggtcccca acgcccttat gataagtacc 180  
tcgtcaaagc tgggaagggt caatcacgaa caaactatcg tcttctatgc aaaa 234

<210> 42460  
<211> 179  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047e07d1  
  
<400> 42460

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 tacttaaaac tatcattcct atagatccat tcggccacct ttaaccatgg aatcttacac 120  
 caacctaatt taaaattatc atccaatcca tttcctatct tcctttttta acacctccc 179

<210> 42461  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f01d1

<400> 42461

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 tatataccac gcgggctttt gtgctcatag atccaacccg agaagcaatt gaggaactaa 120  
 gaatggacaa gcgtagctac aacaaataag ggtgagagaa tttgctcctt ttaagaagag 180  
 aacaaaaaaaa atgggggattg ttcattctagt cttgaagcca aaagcttcaa tgccactcaa 240  
 tcctagaaga gatgtggaaa tagaggggtg aaaccaccaa aaacaacctt ttctccatat 300  
 ttttttggtt ttccttagaa ggaagtttag agatgatatt actcaaagca gaagagaagc 360  
 tttaaacac 369

<210> 42462  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f02d1

<400> 42462

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 tcaaattaca taaattaggg gccgcgtcat tttttaacaa atctggatga taccaaaatt 120  
 tctctctgag gatgtatcta tctatatagc aacaaaattg tgaacaaggg gggctggatg 180  
 aaatacagca gcttccattc ctctatatct tcgtcagccg caaaagagac aacttggaac 240  
 ccaatctcta gaaaaaatca aactagcttt catcatcagt acttatttca gaagaatcat 300  
 cttcctcgtg ataatttca ttttcaactt caacttcac ttcatttca ctttcttgca 360  
 tttggagttc atgcacagaa tggcttatag tctgagaagc cttgtcaatc tgtgatgtca 420

gcagttgcag acgacctgat aattgtaaca aaggctgatg agttgcccct ctaaaattgg 480  
 taatcttgtc taaggaattg ag 502

<210> 42463  
 <211> 147  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f04d1

<400> 42463

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 tcgtacatat ctttcgctgt gtgcgattga aacttttaac cagcattgc tgttcccagt 120  
 ttaaataagaa ggatcgccca aataagt 147

<210> 42464  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f06d1

<400> 42464

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 aagaaaaatg aataattttt tgggggggag agtgaaacct ttaacaatgg aatatcacac 120  
 aaggtttaag tagaaggacc atcggaatta gttggaaatc tggtttatta aaagtgggtg 180  
 gcccaaactg ggaaatttga tttaggggta aattattagt cttatatact aa 232

<210> 42465  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f08d1

<400> 42465

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 aaaccctaca aaaccaagct ccaaagcta catattatac tcttacaggt agaagctgaa 120  
 acacattaca acgggttatc ttaccaacat tgtgtagcat gatcaggcca ataaccatgc 180

ctaaccaact attgtgttcg gcaagtatat tttttcttat gaaaaaaaaat gccgaccctt 240  
aat 243

<210> 42466  
<211> 411  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047g01d1  
  
<400> 42466

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ccgatcgaca aaaaggatca atcataataa ttctttcaac ccaaagtaag agaaaaaaaa 120  
acagattgaa tgaaagaaca tacaagaaaa gtctaaatta tttacaaacg atataaatag 180  
gggaaccgga attcctttgg ctttatcctc tatgatataa ctataatata agggtagatt 240  
atatcatatg taattaaaaa accagccaaa aaaaatgtct tttgatgaca aatcatgaag 300  
aagctatttg atgagcttgg gcctgtccat tggggaaggg caatattctg ggcttgctga 360  
gagacaattc cactgggatt tgaaaagcat tgttgtaaac ggtggtagtt t 411

<210> 42467  
<211> 283  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: jC-gmro02910047g02d1  
  
<400> 42467

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atttacatgt tacagcaaaa tttggattga aatacatata gcacaaaagg gaaagaagga 120  
aaggtaggag atctaataca tgagaaaagg aggggggaaa aaagaagatt caatccacct 180  
tatgacacag gcttgacatt cgggacatca tcgagaatga aaggccaag cttaccggtc 240  
ctgaatagag tgaggaactt tttggatacc attaaccgcg ctt 283

<210> 42468  
<211> 467  
<212> DNA  
<213> Glycine max

0953113.032200

<223> Clone ID: jC-gmro02910047g03d1

<400> 42468

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tagcactaac atttatttta ggaccacaag gcaagagata cttacatatt aaaattgatt 180  
acatacccta attatatctc acataccttt tcaatcatgt ccctctcgag ctacaataag 240  
ttctttctaag ttatcagcat caccagtgtc cataggcaac atgatctcat cctcagttgt 300  
gaaattataa ttaatcccaa tggctcttag aagctggtat acttcaaaca tggtaggcct 360  
ctcctttggc attgctgtaa cacagttaca tgcaaccttc agaaattgga aaagctcctg 420  
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<210> 42469

<211> 320

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047g04d1

<400> 42469

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gaagatttaa aatttaaagc tataaattat gctttccatt tgggataaaa accaagctta 180  
cgtgatacaa tgaacaaaaa aaagggtatt ggaaggaagc acctactgtt accataccct 240  
atatctgcat ggcttcccca aagaccgcga gtcactcgcc gtaattaact ggggagctcc 300  
gttgaatcac ctccatttgg 320

<210> 42470

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047g05d1

<400> 42470

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ctgaaactcg ctgcgcttaa caaaaatgta atcaggggtt ccgacaaaca caacacatta 120  
 aaacacagat aaataaaagc aatdddgtcca ccgtcgatca agaaccagat tctgggaaca 180  
 acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240  
 agaagacaca agagttcaga aaagaaacca acatttattg taaccaacat cccctgatga 300  
 accaggccgc acgattcact tcttgttgtg ggcagccttg gtgaccttgg ctccggtagg 360  
 aaccttcttc tcaacgatct tgatgactcc cacagcaaca gtttgacgca tgttccttac 420  
 agcaaacta ccaa 434

<210> 42471  
 <211> 341  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910047g06d1  
 <400> 42471

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 acccgtcaca aattacgctc cacctctctg cggttcatcc aaaccgctct tcgaaataac 180  
 tgggtgaacc ggacccggac ccgatttttg tacggaatga tacacgtgct gtttaaaacc 240  
 gtcatgaacc accgccgtgt tggagggcct gaaaggttgc aggggggtaa tgtgcctaac 300  
 gcccgttcaa tatttttgac ccaaccccg acccaaagga t 341

<210> 42472  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmro02910047g08d1  
 <400> 42472

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 taattacata ttgatggaa accctcttga gatccgaact gcttctgttt caacgacagt 180  
 tactccacct aataccagcg gatctcatag tcgtcatcat tctgcatcag gttcacattg 240

taaaacacat tcttctgctc atgtaaactc taatggcca

279

<210> 42473  
<211> 360  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047g12d1

<400> 42473

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aaattttaag aaaagatata atttcaaata catgcgggga atagatactg aaactaaagg 120  
gctttcttca cttgaaagaa gtcgggacgg tccttggttg ccgtatctac atcctctgga 180  
gatgccactg caaccacaac ccctttatcc ttaactgctt ccatagcacc cataaaaaatt 240  
ttgaagtcct tcaaactagt agataaatat tcttcacgac tcctttgcct ttcttcctct 300  
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<210> 42474  
<211> 520  
<212> DNA  
<213> Glycine max

<223> Clone ID: jC-gmro02910047h01d1

<400> 42474

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aagaagtaca ttttcatttg tcctcttccc caacctcact tagccactat ttacatatcc 120  
tctaccccca aacttaggta taattttacc ttagaaaacca aacctataa gtccttatca 180  
aacatcatca ccttaactaa ggttgaaaag agccttgctt attttgctac atgccattct 240  
tttgatcact gcaccatcaa ctatttcata ggtgtcttat ttctacctct tcagcctttt 300  
ccagttctat tggactttct atatatacaa aacgctagaa accactacag aaaaaaaaaag 360  
gacggtgaca cttcccaata cctgccttag gaaagctcga gtattggatt ttgatgaaac 420  
gacgtcgaaa cactcgcatt agtatagtag tatttttata ctacctaaga gcattatagc 480  
aaatagccta aaaatacca ctatcactaa tattctatga 520

<210> 42475

<211> 512  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h02d1

<400> 42475

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ggaatatcaa tcaacattga tgatgaatgc aacaattatc ataaaaaatc aaaatcacac 120
atctaggaca ttttattgca ttttttccct gtcatttaac attgagacta caagtctaata 180
ccatccgtta gcatgtattt taatacaccg gagccttggg aggggaatgat tcaacctcat 240
catccaatac attcaaagtc accggcctgt agtccaaccg gaccttctcg ttctcccaga 300
atcccacagt gtgtttcatc cagttcccat catctctaac cttgaagtct tcacgggcat 360
gagctcctct actctctttc ctagcttcag cagagtacat tgtgatgcat gcatttatta 420
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tcacctggac atcatggaag ctctcccatg tt 512
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<210> 42476  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h03d1

<400> 42476

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tgagtctaata ggctttgaca tttctctgac actagagaac attggcctta caagatccga 120
ctcgaattga agggggattt ccagtccaaa attcaattta acccttgaca ccataccaaa 180
aaagttcccc ccgatctggc ttgcctagga cgctttccat ttcagacca aaagatccca 240
aaacaatttt aaaattaaac ttaatgcaag ttaacacctg gtcccgatca ttttttagtg 300
tcatcttcaa agagtagggg cccggggggag caatccaagg caatgggttg gtgtgaaaaa 360
tcaaaaaatt gccattggca acaggacaag atacttcatg acagaaatca attctttcaa 420
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<210> 42477